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Third Edition

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FRONT COVER: CARIB TERRITORY COAST BY LENNOX HONYCHURCH

Discover Dominica

Dominica is situated at the northern end of the Windward Chain of the Lesser Antilles.It is the largest of this island group, lying between the two French islands of Martinique and Guadeloupe.

Roughly rectangular in shape with rounded projections at each end, it is 46 kms. (29 miles) long by 25 kms. (16 miles) wide, an area of 790 sq. kms (290 sq. miles). Ruggedly beautiful and volcanic in origin, Dominica's narrow coastal shelves, towering green mountains covered in dense tropical forests, deep valleys and countless streams provide magnificent scenic views. Agriculture is the mainstay of the island's economy, with bananas being the main crop followed by coconuts.

Dominica is perhaps the most naturally beautiful and different of all Caribbean destinations. Dominated by towering mountains and primordial rain forests, criss-crossed by rivers and waterfalls, Dominica offers an opportunity to experience one of the last spots on earth, where nature, so unchanged and unspoiled, flourishes in abundance.

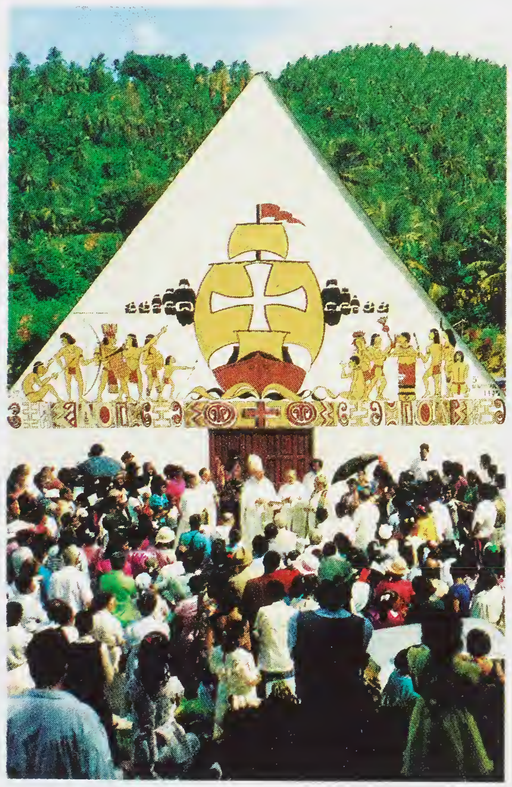
Under water is as spectacular as above. The unexplored coral reefs, dramatic drop-offs and wrecks offer spectacular world class diving possibilities and visibility of 80 plus. The "Adventure Dive Destination" is ideal for the diver seeking a new and different dive vacation experience.

Dominica was originally inhabited by the Arawak and Carib Indians. The island is still home to about 3000 Carib Indians, descendants of the original inhabitants of the island, who live in the Carib Reserve, an area of about 3,700 acres in the north east of the island, established in 1903 and owned by the Carib Indians. The Caribs are mainly agriculturalists, but still practice their traditional skills of canoe building and basketry.

The first known Europeans to sight the island were led by Christopher Columbus, who sailed past on a Sunday in 1493 (hence the name Dominica). Dominica has changed ownership many times, between the French and the English. In 1748, the English and French agreed that Dominica would remain neutral and left to its original inhabitants, the Caribs.By the Treaty of Paris in 1763, Dominica was assigned to Britain, but the Treaty was broken when the French tried to recapture the island in 1795 and made a last attempt in 1805 when Roseau was burnt.

The French finally pulled out with a ransom of £8000. The island remained a British colony until 1967 when it became a self-governing Associated State. Full Independence with republican status within the British Commonwealth came on 3 November 1978.The French influence is still evident in the Creole which is spoken and in the family and place names. Dominica is now formally known as:

"The Commonwealth of Dominica".



LENNOX HONYCHURCH

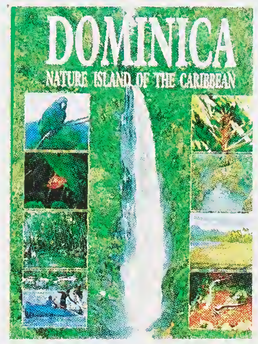
The church of St. Marie of the Caribs at Salybia, Carib Territory



JOAN IACONETTI

The main cascade of Trafalgar Falls

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Welcome!

Cordially,

C.A. Maynard
Minister for Tourism

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This guide is intended to provide comprehensive information to assist the planning of your vacation here. Rest assured that the Tourism Information Office is here to assist you in every way possible. I hope you take back with you fond memories of Dominica which will urge you to return.

Sincerely,

Marie-Jose Edwards,
Director of Tourism
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Roseau Market: Fitzroy Armour

Architecture
There are several interesting churches in Dominica, including those in Roseau and the very old church in the village of Soufriere. Older wooden buildings are reminiscent of Dominica's historic links with the French. These are easily identified by the basic designs, complete with gingerbread, fret-work, shutters and jalousies. The older art of masonry is evident in the thick stone walls of some buildings which have been restored and modernised.

Aviary
Located at the Botanical Gardens, this aviary serves as a breeding facility, specifically for Dominica's parrots, the Jaco and the Sisserou (Dominica's national bird). Both are endangered.

Beaches
While most beaches have dark to silver grey volcanic sand, there are a few where the sand tends to be honey coloured and others even lighter. But Dominica is not the destination for those who want sand, sun and sea alone.

Boeri Lake
This is a freshwater crater lake at 3,000 ft. above sea level. The 3/4 hour long trail leads from the Fresh Water Lake and offers an exhilarating hiking experience.

Boiling Lake
The Boiling Lake is the largest of its kind in the world and one of the world's natural wonders. It is kept bubbling by the volcanic heat of the crater in which it is cupped. The hike is a very strenuous one, about three hours long, to and from the lake. The use of a local guide is strongly recommended.

Botanical Gardens
Nestled below the Morne Bruce hill, on the outskirts of Roseau, are the 40 acre Botanical Gardens of Dominica. This area is the largest tract of semi-open space in the city of Roseau, and the lay of the land is undulating. Just 66 ft. above sea level, the gardens receive approximately 85 inches of rainfall annually, with favourable conditions for the growing of a wide variety of tropical plants.

The land on which the Botanical Gardens is situated was formally cultivated in sugar cane, before the planning and planting of the gardens began in 1890. During its early and rapid development, the gardens were attaining the reputation of the premiere botanical gardens in the Caribbean. The gardens were established in two distinct sections—an ornamental section, and an economic section which was devoted to the propagation of plants of economic importance.

The Botanical Gardens has so far survived several tropical storms and hurricanes, including Hurricane David in 1979. Some evidence of David's wrath may still be seen, as the remains of a large bus lies crushed beneath the weight of a massive Baobab Tree.

In the 1960s and early 1970s the gardens were a popular cricket ground in the Caribbean. They have been visited twice by Her Majesty Queen Elizabeth II and HRH Prince Phillip, Duke of Edinburgh. The Forestry & Wildlife Division produces a pamphlet *"A Guide to Selected Trees and Shrubs"* which contains a map and lists the trees and shrubs together with a number which is also on the map for easy identification.

Cabrits National Park

This is a most unusual National Park, just north of Portsmouth, an area of 1,313 acres including 1,053 acres of marine area; the ruins of the 18th century Fort Shirley, the largest swamp in Dominica and coral reefs. The land consists of a forested peninsula, which was the site of important defences and fortifications during the eighteenth century. The hillsides are scattered with ruins, the most impressive being Fort Shirley, which houses a small museum. Considerable restoration work has begun on the ruins of Fort Shirley.

Carib Territory

An area of 3,700 acres of land on the north east coast of the island, has been given to the descendants of the original inhabitants of the Caribbean islands—the Carib Indians. Today the Caribs engage in agriculture, fishing and their native crafts of dugout canoe and basket making. See the alter of the Salybia Roman Catholic church which is made from a canoe, an immaculate work of art.

At Sineku see the snake's staircase, *L'Escalier Tête Chien*, a hardened lava flow which juts into the sea and features in Carib legends. A number of craft shops can also be found along the road.

Emerald Pool

A grotto filled by a waterfall surrounded by breathtakingly beautiful plants, flowers and ferns. Located in the Morne Trois Piton National Park, getting to the pool itself is an easy ten minute trek off the Castle Bruce main road through beautiful woodlands about 3.5 miles northeast of Pond Casse.

Emerald

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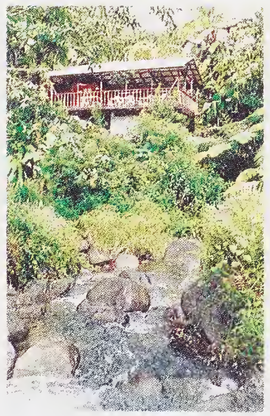
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Fresh Water Lake

2,500 ft. above sea level, the lake is less than a mile from the village of Laudat with motorable roads up to the lake itself. Here nature is being combined with technology as a hydro power plant is being developed to provide island-wide electricity. From the Fresh Water Lake area the island's eastern coastline can be seen.

Indian River

Take a rowing boat ride up the beautiful Indian River for EC$15-20 per person. This relaxing trip takes you through the winding, mangrove fringed river. "Almost like the Amazon", said one visitor.

La Vie Domnik Museum

Situated at the Old Mill Cultural Centre within walking distance of Canefield Airport. The museum captures the geographic origins of Dominica, and the history and evolution of the culture, in an attractive display. It is open Monday to Friday from 8am to 4pm.

Mini Zoo

Located near Canefield, this mini zoo is privately owned and houses numerous species of small island animals, reptiles and birds, including the endangered Jaco parrot.

Morne Trois Pitons National Park

This 17,000 acre National Park is situated in the south central part of the island. This is primordial rain forest and here plants rule the earth from which they spring. It contains the Boeri and Fresh Water Crater Lakes, as well as the world's largest Boiling Lake and the spectacular Middleham Falls. There are several other hiking trails which will take you up to the summits of some of the other high mountains in this national park.

Morne Trois Pitons

A hiking trail offers a fair hike to near the summit of this mountain of three peaks, the highest peak is 4,550 ft. (1,356m).

Northern Forest Reserve

This reserve harbours Dominica's highest mountain, Morne Diablotin, 4,747 ft. (1,447m) high; and Syndicate, the habitat of the indigenous and endangered Sisserou and Jaco Parrots.

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Portsmouth
This is the second town of Dominica which boasts a very beautiful harbour. Some of the attractions at Portsmouth include Prince Rupert's Bay and Douglas Bay, two beautiful beaches. Nearby is the Cabrits, historic Fort Shirley and the Indian River.

Prince Rupert's Bay
A stunning natural harbour which curves north to the twin peaks of the Cabrits. The sheltered bay, originally home to the Caribs, was spotted by one of Columbus' boats on his second voyage. Subsequently it became a port of call for the Spanish conquistadors as they swept on to the South American mainland.

Sulphur Springs
There are three locations of sulphur springs—the Valley of Desolation, Wotten Waven, located across the valley from Trafalgar Falls and Grand Soufriere in the hills above the village of Soufriere to the south of Roseau.

There is a mixture of hot clear waters suitable for natural mineral baths and bubbling pools of grey mud, remnants of the island's volcanic origins.

Trafalgar Falls
One of Dominica's most fascinating and picturesque areas in the south central section of the island, not far from the capital of Roseau. The road is motorable to within a fifteen minute walk to the base of the falls. There are two major falls which converge in rocky pools, splashing the huge black rocks around which sprout ferns and orchids. On the left hand side is a smaller waterfall which is heavier in the rainy season.

Valley of Desolation
Probably the most fascinating area on Dominica. Located on the flanks of Morne Watt, this area of sulphur springs is a collection of boiling water, pools of grey boiling mud and streams made multi-coloured by the many minerals contained in the water from the old volcanic activity.

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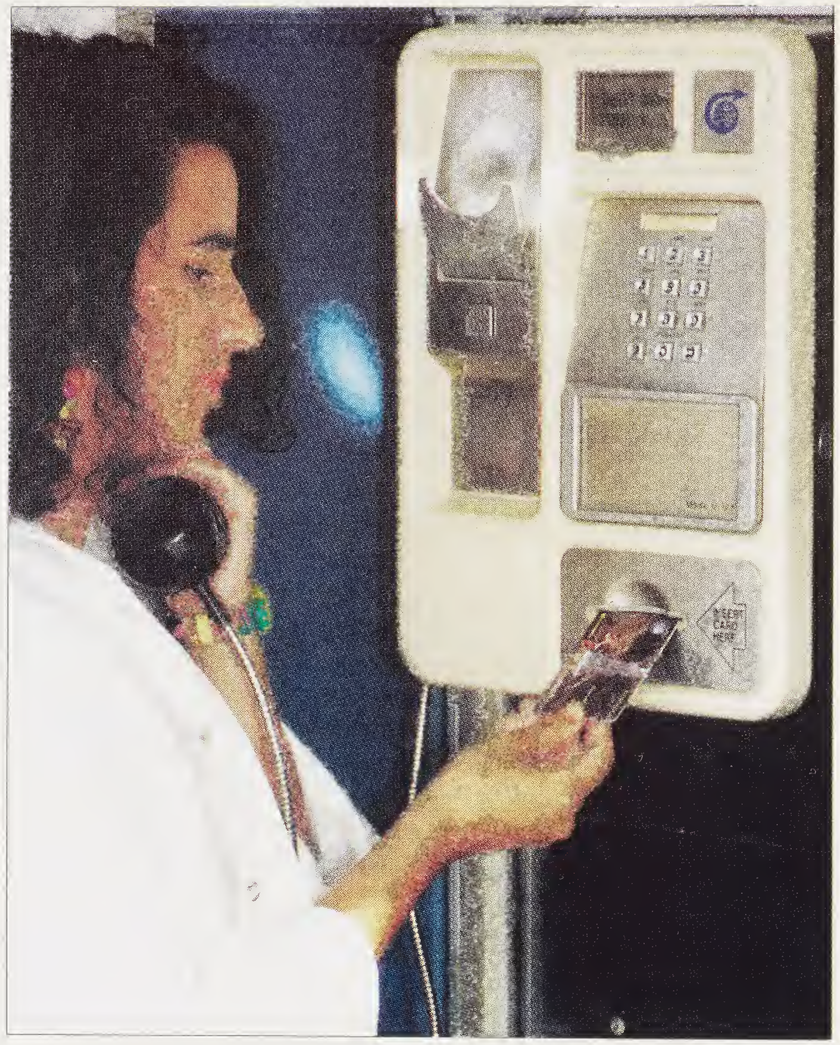
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Any Hope For Dominica's Parrots?

by Arlington James
Photos by: Arlington James

Time and again, Dominica's forests have been described as lush, verdent and the richest in the Eastern Caribbean. These are accurate descriptions, for although the island has an area of only 289.8 square miles, and is located many miles from the American mainland, the rugged topography of Dominica presents a land mass which supports a wide variety of forest types.

Only 29 miles long by 16 miles "across the mid-section", Dominica can justifiably boast of having some of the richest rain forest any where in the Lesser Antilles. Also represented here are the dry forest and littoral woodlands found on the leeward and windward coasts respectively, wind-swept montane thicket and elfin woodlands at the higher elevations, wetlands, fumerole vegetation and dry evergreen forests.

The variety of vegetation types in Dominica also provides a wide range of habitat for an equally varied fauna, which includes thirteen species of bats, two species of frogs (the Crapaud or Mountain Chicken and the tree frog), five species of snakes (from the 9-foot Boa Constrictor to the 6-inch Thread Snake), lizards, crustaceans (e.g., crabs and crayfish), and of course a wide variety of birds.

The bird life of Dominica has been described as the most diverse in the Eastern Caribbean, with about 162 species recorded on the island to date. And of the fifty-nine species of resident birds, the island's two endemic species of parrots have received the most attention.

Two of the four species of parrots found in the Windward Islands inhabit the forests of Dominica. The Sisserou or Imperial Parrot (Amazona imperialis) is the largest of the Amazon parrots. It is about 20 inches long and its deep purple breast makes it stand



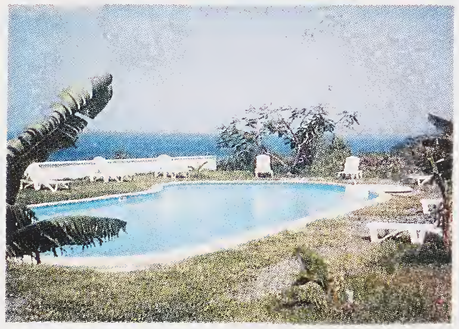
Jaco or Red-Necked Parrot (Amazona arausiaca)

out among the rest of its genus. The Jaco or Red-necked Parrot (Amazona arausiaca), though a bit smaller, generally has a more colourful plumage than its cousin the Sisserou. It is interesting to note that the red patch at the front of the neck of the Jaco, giving it its common name, is sometimes absent, or may be mixed with a tinge of yellow.

There is an overlap in the areas which these two species of parrots occupy. The Sisserou tends to utilize the lower mountain and rain forest, and the Jaco may be found at even lower elevations and in the rain forests. Both species nest in the cavities of old growth forest trees, laying one or two eggs during the nesting season.

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Food for the parrots is usually plentiful, with different types of fruits of forest trees being available at different times of the year. The fruits of the Gommier, Bois diable, Mangle and a wide variety of other trees from various forest types provide all necessary nutrients for both the adult and juvenile parrots in the wild.

Over the years, there have been a number of controlling and reducing factors which affect the populations of the Jaco and Sisserou Parrots. The Pearly-eyed Thrasher, diminutive in size in relation to an Amazon parrot, is known to occasionally invade the cavity nests of the parrots, preying on the eggs.

Heavy, unseasonal rains during the dry season, which coincides with the nesting season of the parrots, could sometimes cause flooding of the nest cavities and possible drowning of the chicks. Hurricanes and strong tropical storms, which can be expected annually but only hit Dominica occasionally, also take their toll on the parrot populations, but with more dramatic and devastating results. These tropical weather systems bring about a loss of food source, destruction of nest trees and roosts, and the death of a number of birds both during the storm and after. Within recent times, Hurricane David in 1979 hit the populations of Jaco and Sisserou Parrots.

The activities of man have also had their effects on the parrot populations. Within the last twenty or so years, several thousands of acres of Dominica's forests were converted into agricultural lands, the mainstay of Dominica's economy. This agricultural expansion, particularly in banana acreages, has resulted in the clearing of much rain forest which forms prime habitat for both species of parrot. To add to that, the hunting of parrots for food up until the early 1970's as well as supplying the pet trade have also had their effects on the populations. At the moment, both species of parrots are included on the Endangered Species List of the IUCN (International Union for the Conservation of Nature).



Sisserou - The Imperial Parrot of Dominica (Amazona imperialis)

Although a "Wild Birds Ordinance" was passed in the earlier part of this century to protect Dominica's wild birds, including the parrots which at the time were quite abundant, it was the passage, publicising and enforcing of the Forestry and Wildlife Act (enacted in 1976), that brought some real protection for the parrots of Dominica. One year before, the Morne Trois Pitons National Park was established in the southern half of Dominica. This 17,000 acre park protects the habitat for small populations of both Red-necked and Imperial parrots.

The year 1977 also saw the establishment of a 22,000 acre Northern Forest Reserve. But although logging is legally permitted in a forest reserve, much of the Northern Forest Reserve is deemed unsuitable for logging and some of this area forms part of the habitat for the parrots.

More recent developments on the island include an amendment to the Wildlife Act in 1988, to provide for "specially protected birds" i.e. the Jaco and Sisserou. Then in 1989, with the assistance of RARE Centre for Tropical Conservation, a massive public awareness campaign was launched islandwide. That was Phase I of "Project Sisserou".

Phase II involved the acquisition of over 200 acres of previously privately owned land. The Government of Dominica, with the assistance of the International Council for Bird Preservation (ICBP), RARE, and the people of Dominica all contributed toward the purchase of this Parrot Preserve. This area is annexed to the Northern Forest Reserve, and provides additional and important habitat for both species of parrots. It is proposed to convert the Parrot Preserve together with a substantial portion of the Northern Forest Reserve into a national park, to be named Morne Diablotin National Park.

Recent surveys indicate that Dominica's parrot populations are recovering from the effects of hurricane David. This is indeed heartening, despite the progressive loss of habitat which occurred during the post-David decade. With competition between

FORESTRY PUBLICATIONS

The Forestry Division is very actively protecting and promoting the natural environment in Dominica and have produced many excellent brochures, booklets, maps, posters and pictures on various aspects of flora and fauna.

Most are illustrated either by colour or black and white pictures or very attractive and accurate drawings. All are well worth purchasing. You can buy some in book shops and other outlets in town and at the Forestry Division Offices in the Botanic Gardens, Roseau. Vwa Diablotin is a monthly tabloid published by the Forestry Division. It covers different aspects of Dominica and the environment. The following are the list of publications produced by the Forestry Division, Botanical Gardens, Roseau.

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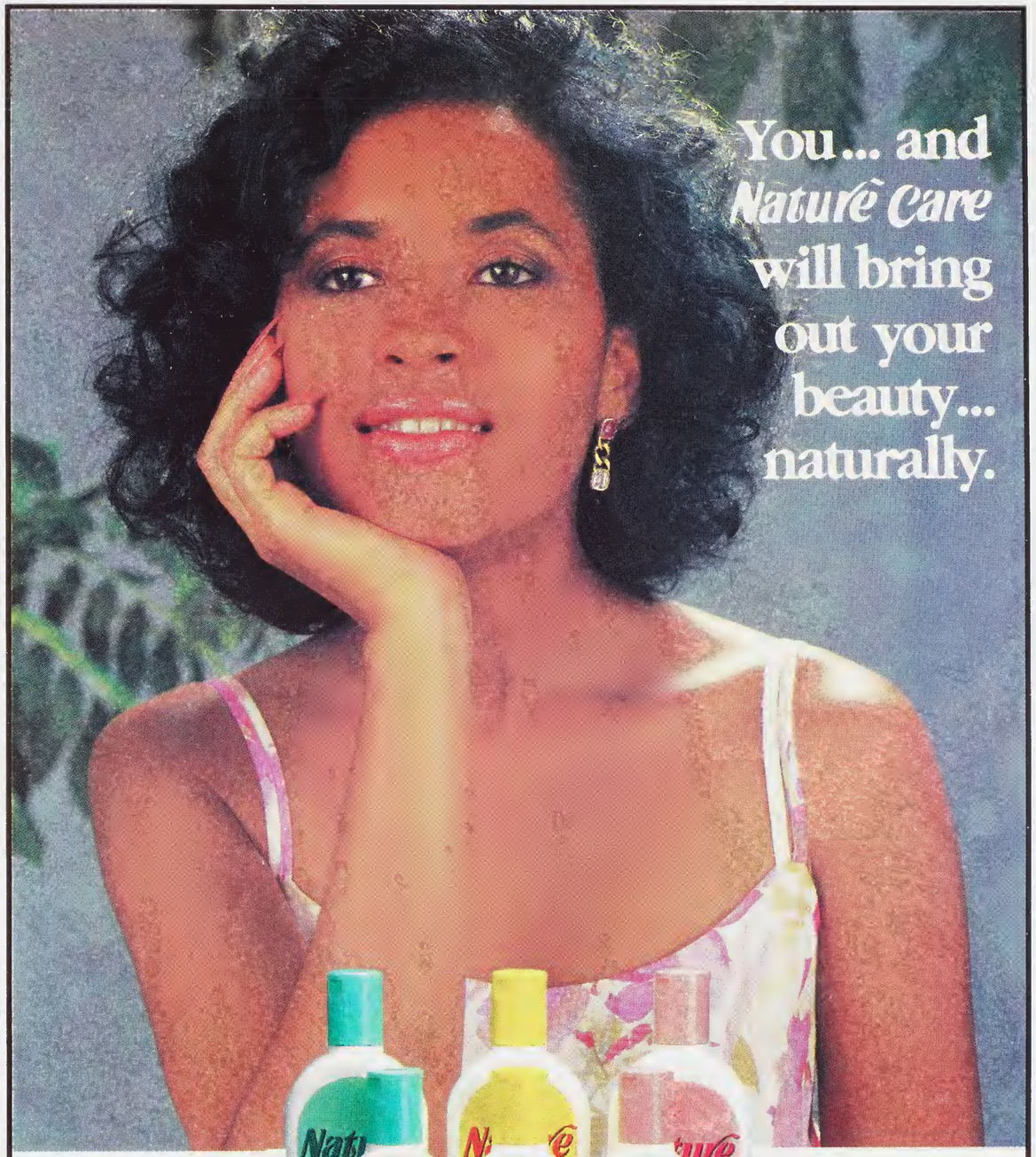
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the two species for nest sites, the more abundant, and apparently more adaptable Red-necked seemed to have made better of the situation.

The growing Red-necked parrot population has recently introduced a new problem to the farmers and the Forestry & Wildlife Division: predation of the crop of harvestable Valencia oranges during the earlier part of the year. Ironically, this problem cropped up in an area at Syndicate, near the forest and parrot preserve. Investigations are also being carried out into allegations of possible predation by the parrots of mangoes and grapefruit. Someone put it this way: "it is as if the parrots suddenly found out that they can obtain breakfast, lunch, dinner and dessert from the orchards, so why bother with the usual Gommier and Coco poul fruits."

Efforts at breeding the Red-necked parrots in captivity are currently underway, with the opening of an aviary at the Botanic Gardens in Roseau in 1992, with the assistance of the Jersey Wildlife Preservation Trust. If this effort proves successful, the techniques and experience gathered in breeding this species will be applied in breeding the Sisserou at a later date.

It must be recognised that it will indeed be a very long time before either of Dominica's Parrot species are removed from the Endangered Species List of the IUCN's Red Data Book, if at all. But there is hope that the populations will not become as critically low as that of the Puerto Rican parrot. With the provision, protection and maintenance of adequate habitat for both species, enforcement of legislation, as well as a more enlightened and concerned public, the recovery of Dominica's Sisserou and Jaco populations may be slow but positive.



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WHALE WATCHING

Story & photo: Fitzroy Armour



The day's small group consisted of avid and first time whale watchers. We cast off from the jetty of the Anchorage Hotel for an "afternoon till sunset" on the protected west coast of Dominica. We were not far from shore when our first whale was sighted.

Unmistakable against the seemingly motionless ocean, the spout rose quickly only to atomize into a miniature rainbow towered by the backdrop of Waitikubli's cloud capped mountains.

The Carib Indians named this island "Waitikubuli", translated to "tall is her body" which aptly reflects her regal stature. Her majestic mountains extend thousands of feet below the ocean surface at the meeting of the Caribbean and Atlantic plates.

Again the spout rose at its distinct forty-five degree angle to the surface. The angle and periodic repetition confirmed it to be a Sperm whale. On slowly approaching, we realised that there were also two small spouts–a cow and two calves. The calves were anxiously nuzzling her until she responded by tilting on her side to begin nursing them.

This deep and sheltered coast is enjoyed by many Cetacean, including the singing Humpback (Megaptera novaengliae) and the Sie (Balaenoptera borealis), both Baleen whales, which migrate from the North Atlantic to mate and calve. There are also many toothed whales sighted throughout the year mating, nursing, calving, playing and diving to the great abyss to feed on squid and other deep water creatures.

Sightings of resident toothed whales includes the Sperm whale (Physeter catodon) the largest toothed animal to exist, Pygmy Sperm whale (Kogia breviceps), the Orca (Orcinus orca), the False Killer whale (Pseudorca crassidens), the Pygmy Killer whale (Feresa attenuata), the Pilot whale (Globicephala melaena), the Spotted Dolphin (Stenella attenuata), the Bottlenose Dolphin (Turiops trunatus) and others.

Due to the unique conditions, gentle sea and extremely deep waters, Dominica has ideal and comfortable whale watching conditions. I have been able to witness rarely seen behaviour at sea and even from the shore, such as, the gentle and curious nature of cetaceans toward humans; Humpback whales mating at a distant less than 100 yards from shore; a Sperm whale cow nursing three calves while the other pod members dive to feed; and five Orcas harassing ten Sperm whales are some of the more startling observations.

I have been able to notice highly social behaviour within pods, such as one cow/nursemaid tending to as many as three calves while the other members of the pod go off on their dives for as long as one hour and as deep as 6,000 feet.

Nursing now over, the cow prepared to join the adults. Swimming slowly she bobs her head twice before finally arching her back, the increased weight of her tail leaving the water initiates her deep dive.

Unable to dive to such depths, the calves are periodically left at the surface to play. Each calf, being at least twenty feet in length, enjoys the comfort of fearing nothing in the entire ocean except the Orca and, of course, the heartless whaler, who would harpoon them in an effort to lure the other whales to the slaughter.

Attracted to the drifting dive boat, both calves spent thirty minutes swimming around and upside down under the boat, competing to get closer to us. Unlike the Dolphins that beam their sonar from their melon foreheads, the Sperm whales do so from the chest thus the need to swim sideways or upside down when investigating the boat or snorkellers. Extreme care is customary procedure and any interaction must be initiated by the whales.

On hearing the returning pod, the calves quickly shifted attention, swimming to greet the first arrival. One by one they break the surface until ten individual spouts were counted forming a Raft.

Aware of their curious behaviour, we gently eased into the water with only a mask and snorkel, holding onto the lines floating at the stern of my 41 foot dive boat. Floating at the surface this true definition of blue was only overwhelmed by the sonar clicks of the approaching pod of whales. Although totally capable of developing a complete sonar image, the curious whales wanted a much closer look at us.

The only whale watching and snorkelling tours have been conducted from the Anchorage Dive Center, by Fitzroy Armour (PADI Dive Instructor, Secretary of the Dominica Conservation Association and underwater photographer) a native of Dominica and his crew. The tours are not only educational and fun, but also give participants the opportunity to assist in data collection and fund raising for the Association.



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Useful Information...

CAPITAL
Roseau, located on the southwest coast, is the seat of Government and the main commercial centre.

CHURCHES
This schedule represents the principal denominations existing in Roseau. It is by no means a complete church listing. There is a good representation of all these churches in every town and village in Dominica. Many offer nightly prayer meetings or services.

Roman Catholic
Cathedral - Virgin Lane Sun 7am, 9am, 7pm
Fatima - Newtown Sun 7am, 9am, 7pm

Anglican
Victoria St., Sun 8am, 7.30pm

Methodist
Cross St., First Sun 8am; Sun 9am, 7pm

Pentecostal
Goodwill, Sun 9am, 7.30pm

Berean Bible
1 Good Rd., Sun 11am, 7pm

Christian Union
Rose St., Sun11am, 7.30pm

Deliverance Baptist
Federation Drive Sun 11am, 7.30pm

Trinity Baptist
Kings Hill, Sun 11am, 7.30pm

Seventh Day Adventist
Goodwill Rd., Sat11am, Sun 7pm

Baha'i Faith
Meetings are held at Newton, on the outskirts of Roseau. Call (809) 44 84269 for times of meetings.

Quahal Yahweh
Wed, Fri, Sun 7pm, Sat 10am

CLIMATE
The climate varies according to altitude. Although Dominica is tropical, it can be appreciably cooler in the hills. Average daytime temperatures range from 24°C/75°F to 29°C/85°F. Cooler nights are experienced in the mountains. The lowest temperatures occur between November and February. Driest season is January to April. Rainy season is July to October.

CLOTHING
Casual, light cottons. Evenings, semiformal. **Swimsuits may not be worn in the streets.** A light sweater is recommended for the cooler evenings. Raincoats and walking shoes are recommended for hikes through the rainforests.

CREDIT CARDS
American Express, Master Card and Visa, as well as travellers' cheques, are accepted by most hotels, restaurants, car rental agencies and tour operators.

CURRENCY (EC$)
The Eastern Caribbean dollar (EC$) is the currency used locally. It is tied to the US dollar. At the banks you will get EC$2.67 per US$1 cash and EC$2.68 per US$1 in travellers' cheques. You are advised to exchange your currency at the banks. Hotels, shops and restaurants may accept your currency but cannot give you the most favourable exchange rates (approx. EC$2.60).

DRIVING LICENCE
Driving is on the left side of the road. A local driver's permit is required and can be obtained from the airports daily or at the Traffic Department, High Street, Roseau (Monday to Friday).
Fees are EC$20 for up to one month or EC$45 for up to three months. One must be aged 25-65, have at least 2 years dri-ving experience and present a valid driver's licence when applying for a permit.

DRUGS
Use or sale of narcotic drugs is illegal and carries severe penalties.

ELECTRICITY
220/240 VOLTS, 50 CYCLES. The country is served by Dominica Electricity Services Ltd. (DOMLEC), a largely state-owned company. Approximately 70% of Dominica's electric power supply is hydro generated. Diesel generators provide the remainder.

EMERGENCY
Dial 999 for Police, Fire, and Ambulance.

GOVERNMENT OFFICE HOURS
Monday 8am - 5pm;
Tuesday to Friday 8am - 4 pm.

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HIKING
It is recommended that for hikes and tours to remote locations, you hire a tour guide. Tourist information or your hotel will help.

IMPORT/EXPORT OF PLANT AND ANIMAL PRODUCTS
Banana and coconut fruit, plants and straw materials cannot be brought in. Citrus, coffee and avocado fruit, plants and soil are forbidden.

Plant and plant materials being brought in should be accompanied by a phytosanitary certificate, but may be refused entry by the inspector.

Restrictions may be placed on agricultural products and materials from time to time, depending on their disease status in the country of origin. If you are uncertain, check the restrictions before arrival.

Exportation of live crabs, "crab-backs", crayfish and other forms of wildlife are prohibited without a permit which may be issued at the discretion of the Forestry Division. It is an offense to debark trees from state forest or on private forest without permission from the owners. Visitors should also avoid picking plants in the parks and forest reserves. Artifacts should not be removed.

INLAND TRANSPORTATION
All parts of the island are easily accessible with readily available bus and taxi services. Dominica's taxi and bus drivers have earned a reputation for being helpful and courteous. Private services run from all areas of the country to the capital city of Roseau.

LANGUAGE
English is the official language. Creole or patois is widely spoken.

LOCATION
Located at 15 degrees 10' N latitude and 61 degrees 30' W longitude between the French Departments of Guadeloupe to the north and Martinique to the south.

PAY PHONES
Coin and Card phone services are available at selected locations. Local and collect calls can be made from coin pay phones; local, collect and paid overseas calls can be made from card phones. Prepaid cards can be purchased at Cable and Wireless offices and at other locations. Instructions on how to use the phones are displayed near the telephones.

PETS
Animals or animal products may be imported into Dominica provided that they are accompanied by a valid Veterinary Health Certificate along with an importation permit from the Veterinary Officer of the Ministry of Agriculture, Botanical Gardens, Roseau, Dominica. Check with the veterinary office for current regulations.

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29 Cork Street 82051
New Charles Pharmacy
Cross Street 83198
Robin Royer Drug Store
Pottersville 82139
Watty's Drug Store Co.
King George V Street 82956

POPULATION
71,000 principally Afro-West Indian and about 3,000 Carib Indians.

POSTAL INFORMATION
Efficient local and regional mailing is enhanced by private carriers. Address to recipient, local street or P.O. Box, City, Commonwealth of Dominica, West Indies.

The General Post Office, on Bay Street, Roseau, is open Monday to Friday 8am - 4pm. There are sub-post offices in all towns and villages.

PRESERVATION
The barking of trees, taking of wildlife out of the forests and rivers, corals and other species out of the sea is strictly forbidden. Use garbage disposal bins - *leave only footprints, take only pictures.*

RADIO/TELEVISION
There are currently four radio stations and two pay cable television stations providing news, weather, sports and entertainment on Dominica.

Television
MARPIN TV has nine channels, VIDEO 1 has a further two. Regular US programming is shown.

Radio Stations
DBS – AM 595KHz; FM 88.1MHz.
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ROADS
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SHIPPING
There is a regular service between Dominica and major international ports in North America, Europe and the Caribbean. The country's two primary ports are located at Roseau and Portsmouth. The facility at Woodbridge Bay, Roseau, is a deep water harbour which can accommodate larger vessels with a draft of 30 ft. up to 500 ft. in length. Modern container facilities allow handling 20 ft. (nominal) 20 ton containers ex-ship gear as well as 20 ft. or 40 ft. roll-on/roll-off containers. All cargo vessels (except tankers) discharge and load alongside berth.

SHOPPING
The best buys are the unique Carib Craft items; straw craft; pottery; handpainted candles; leather craft; wood carvings; local preserves and syrups; handmade cigars and coconut oil-based soaps.

SHOP HOURS
Monday to Friday 8am - 1pm and 2pm - 4pm. Saturday 8am - 1pm. Some shops open between 1pm and 2pm.

SPORTS
Diving/Watersports: Castaways Diving and Watersports, Dive Dominica, Anchorage Dive Centre.
Health Club: Mac's Health Club.
Squash: Anchorage Hotel.
Tennis Courts: Castaways Beach Hotel, Reigate Hall Hotel.
Spectator Sports: Basketball, Cricket, Football, Netball, Rounders, Tennis and Volleyball.

TAX
There is a 5% Gov't Room Tax at hotels and a 3% Gov't Sales Tax.

TAXIS
Taxis, minibuses and vehicles for hire are denoted by 'H' registration. As there are not many taxis operating after 6pm, it is better to prearrange your taxi for your evening excursions.

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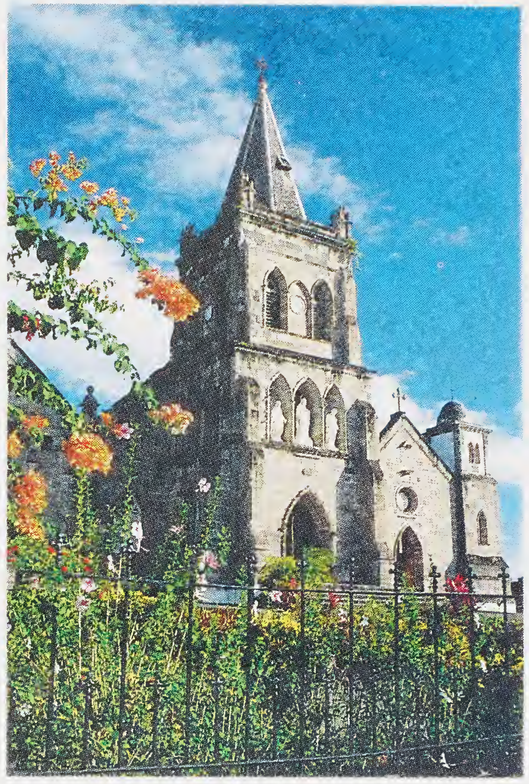
Verily in the remembrance of Allah (The creator) will hearts find rest—Quran

TELECOMMUNICATIONS
In 1987 Dominica became the first country in the world to operate a fully digital system.It has a capacity for 13,241 lines. Telephone, telegram, telefax and data services are provided by Cable and Wireless (West Indies) Ltd., along with International Direct Dialing and USA Direct. The International Direct Dial (IDD) code for Dominica is (809) 44 plus a 5 digit number. Also see pay phones.

TIME
Dominica is in the Atlantic Standard Time Zone, one hour ahead of Eastern Standard Time and four hours behind GMT.

VALUABLES
Don't tempt our friendly people, lock up just as you would at home. It may be a good idea to leave some cash in safekeeping in your hotel and avoid taking valuables to the beach.

WATER
Hundreds of rivers assure a plentiful water supply which is pipe bourne all over Dominica. The water is safe to drink. Bottled spring water is available at shops and hotels.



The Cathedral in Roseau
PHOTO JOAN IACONETTI



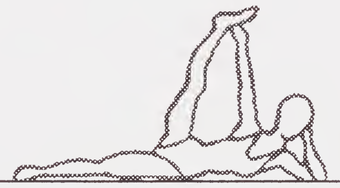
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MORNE DIABLOTIN

Our Highest Peak

by Lennox Honychurch



Dominica is the most mountainous island in the Caribbean. It is said that when Columbus was asked to describe the island to the king and queen of Spain after returning from his second voyage, he crumpled a piece of parchment and lay the jagged ball of paper before the monarchs of Aragon and Castile. "This" he said, "is Dominica". Or so the story goes. Even if there is not a shred of truth in this oft repeated legend, it sums up the physical nature of Dominica exactly.

What we do know for sure is that the first sight of Dominica's mountains impressed those adventurers who arrived off our eastern shore on November 3, 1493. In his journal, Diego Alvarez Chanca, surgeon for Columbus' fleet noted on his second voyage, that of all the islands they saw that day– "The first was a high and mountainous land... As much of the island as was in sight was very beautiful with very green mountains, right down to the water, which was a delight to see since in our own country in that season there is scarcely any green."

From all accounts it was a beautifully clear day and surely they must have seen, rising majestic above the north east coast, the highest of all our mountains now known to us as Morne Diablotin. At a height of 4,747 feet it is the second highest peak in the Lesser Antilles. It is also one of the most ancient volcanic massifs on the island. The successive lava flows and ash falls which emanated from Morne Diablotin thousands of years ago created the northern central section of the island. The erupting ejecta swept down like steaming tentacles towards the sea, forming the beautiful jagged headlands, ridges and narrow bays of the north-east coast.

Some of our most delightful rivers spring from the wet mist-laden flanks of Morne Diablotin. These start from as far south as the headwaters of the Layou River and include the west coast streams of Macoucherie, Batali, Colihaut, Dublanc, Pointe Ronde and Picard. Along the north coast, the rivers of Blenheim, Hampstead, Hodges, Londonderry and Melville Hall course down the narrow valleys which have been cut into the northern face of the mountain. Its bounty serves the scattered villages along the coast giving them the sustenance and shelter of water, forests, fertile soil and protected bays.

A corruption of two European languages has given us the creole name we call our mountains: *Morro* from Spanish, *Mont* from French, which in Creole emerges as *Morne*. Diablotin was named by the French for the Diablotin birds, a black capped petrel, which once inhabited its slopes. But these were hunted almost to extinction and are rarely heard and even more seldom seen.

In spite of its broad gently sloping base, the last 2,000 feet of Morne Diablotin rises sharply on all sides so that only one established route to the summit exists. This path begins on the north west flank of the mountain at the old citrus and banana estate called Syndicate. The Syndicate road starts near the village of Dublanc and in driving and hiking from coast to mountain top one traverses all of the five main vegetation types on Dominica.

Along the coast you are in the *dry scrub woodland*. Gradually, you rise into cultivated farmland and the *seasonal* or *deciduous forest*. At Syndicate and for the next eight hundred feet you are in the pure *tropical rain forest*. As you start to use your hands to climb you are entering the *montane thicket* and the zone of the *cloud forest*. When you have to begin crawling over and beneath the twisted branches of stunted *kaklin* trees, you have entered the *elfin woodland* and are in the final stages of your climb. On the exposed rocks of the

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See Dominica with US

summit, ground level bromeliads, moss and lichens form a rough carpet around you.

The first recorded ascent of Morne Diablotin was led by the remarkable Dr. John Imray, physician, botanist, agricultural pioneer and explorer, who set out from Dublanc on 21 April, 1868. With him were two companions: P. D. Riviere and his son with nine porters and bush cutters. After two days climbing and two nights camping in rain-drenched *ajoupa* huts, they finally scrambled out onto the summit where in true imperial style they hoisted the Union Jack.

But, according to Imray, "The wind blew with great force; and thick white vapours all around would permit only a fleeting and partial glimpse of what must be one of the grandest views in the West Indies."

On a perfect day one looks south and west over the crumpled folds of Dominica's contorted landscape. The mountains of Trois Pitons, Micotrin, Watt, Anglais and Plat Pay march in a line away from you. Beyond on the horizon is the pale blue shape of the island of Martinique.

Turning northwards one looks down towards the Cabrits and Prince Rupert's Bay where ships in the harbour look as big as floating mosquitoes. Village rooftops twinkle like sequins through the greenery; Morne Aux Diable stands firmly ahead and to the north east, the surf along the coast is like white lace at the hem of Diablotin's green gown.

Further north across the blue channel lies the flat pancake of Marie Galante, the chunky islets of Les Saintes and the towering mountains of Basseterre and the shimmering pale green plains of Grand Terre on Guadeloupe. We can argue whether the shape to the north-west is really Montserrat. Some days, however, you find yourself in the mist like Imray, or more luckily, catching quick glimpses of the view from one side and the next while huge clouds sweep past.

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Morne Diablotin stands in the centre of the Northern Forest Reserve established since 1952. Steps are now being taken to establish the Morne Diablotin National Park, Dominica's third such protected area. It will include the zone most favoured by the two species of Amazona parrots and the main watershed sources of the rivers serving the coastal villages. An interpretation centre combining displays, a research shelter and rest house for national parks staff and visitors is to be built near the start of the trail to Morne Diablotin. Bird watchers landing at the Cabrits Cruise Ship Berth can be bused up to the centre and then take an easy nature trail to a parrot viewing platform and stroll back through the rain forest to their waiting transports.

Those who prefer nature not so tamed and manicured can tramp off up the mountain on their own, in the true spirit of Dr. Imray, with his nine porters, bush cutters and his leaking *ajoupa* over a hundred years ago.

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Focus on Industry

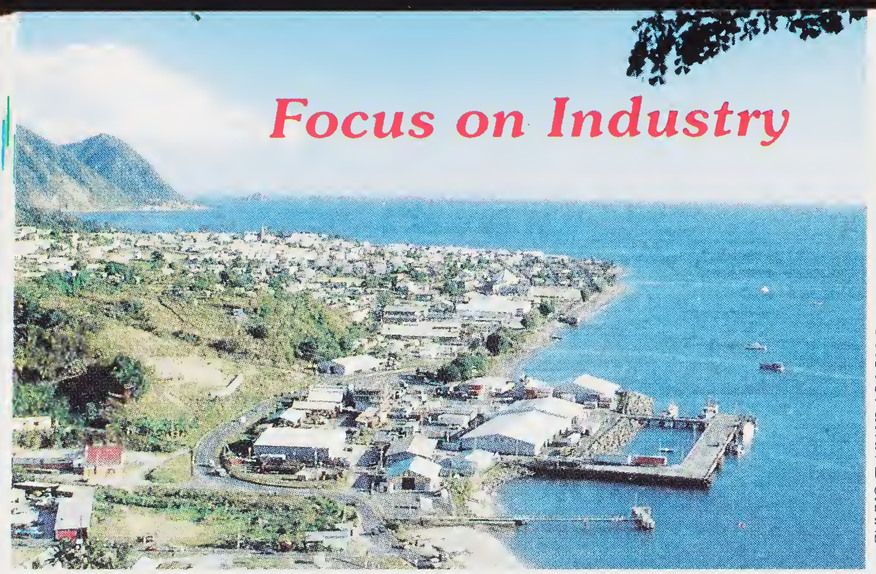


PHOTO: IRVIN DURAND

Panoramic Roseau

In the past, agriculture has been the mainstay of the economy of Dominica; but traditional crops and traditional methods of agriculture are no longer sufficient to support the population of this small island nation. The need to diversify and modernise agriculture, to encourage investment in industry (including agro-industry) and tourism, has led to the formation of the National Development Corporation (NDC).

First and foremost is the need to create more jobs. The NDC places strong emphasis on labour-intensive industries using local resources. 'Exotic' food and fruit processing, coconut, coir and coffee production, floriculture, aquaculture, the cultivation and preparation of herbs and spices, the manufacture of cosmetics, the processing of essential oils, are all products designed for export to earn essential foreign exchange and to provide a growing number of job opportunities.

Skills training and technology transfer are also priorities. Data/entry processing encourages high-tech skills; this light industry expects to be employing 300 nationals through foreign investment in the near future. Electronic assembly plants and garment manufacturing are both labour intensive and foreign exchange earners targeted by the NDC.

The timber industry is a special case requiring very careful management. The NDC is aware of the need to preserve forest cover to protect the environment and conserve watersheds. The demand for timber for furniture manufacture and woodworking must be weighed against the need to develop 'nature' tourism, and the growing demand for Dominica's high quality natural spring water.

Support for industrial development has come through government's fiscal measures, expansion of the power grid to provide energy for industry and tourism, and industrial estate development. Government also encourages industries to work together, complementing each other's efforts to increase production and earn foreign exchange.

The development of the small business and handicraft sector has been given a high priority. A unit has been established within the NDC to promote and assist in the development of that sector. Steps have already been taken to further strengthen the unit and broaden its scope. Major activities of the unit include the development of training and other technical assistance programmes, determining the level of government assistance, and taking a leading role in the formation and administration of a Small Business Association. The NDC is negotiating for the provision of appropriate work-space for small businesses.

In the tourism industry, stress is being laid on hospitality training for hotel staff, taxi drivers and tour guides. A 50% increase in

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NATURE ISLAND OF THE CARIBBEAN

the number of hotel rooms is forecast for the next two years. Dominica is renowned throughout the Caribbean for the unspoiled natural beauty of the island, a beauty that attracts naturalist visitors, bird watchers, hikers and SCUBA divers. The pure, natural spring waters invite investment in health spas.

The employment figures clearly show the progress made in the past five years, twice as many people employed both in the tourism and manufacturing sectors. The growth of industry over the same five year period shows that the NDC has been making a very significant contribution to the Gross Domestic Product.

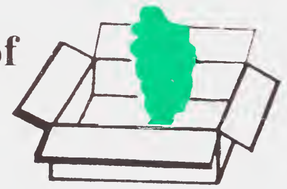
Further proof of the very encouraging progress made in recent years has been the investments Dominicans themselves have been making in tourism, construction, woodworking and agro-industries. The fact that some of the investments have come from Dominicans living overseas and no longer resident on the island is, conclusive proof of their confidence in the growing economy of their native island.

Recent initiatives with respect to immigration regulations further encourages investment in Dominica. Economic citizenship can be conferred upon persons who invest in the areas of tourism/hotel development, agro-processing, and in the local component of the proposed international airport.

These investment areas have been determined based on the priorities established by government and on the benefits to be gained: employment creation, foreign exchange earnings, technology transfer and the development of management skills. Government will review the list of qualifying investment areas from time to time.

This bold new initiative demonstrates the government's pro-active approach to investment promotion, and their commitment to improving the quality of life of the people of Dominica. Already three projects have been given the green light under the Economic Citizenship programme; two of these projects are successfully operating, one in the hotel sector, the other a jewellery manufacturing operation. The third project, a 250 room hotel resort with a convention centre, health centre and nature gardens, will be developed at a cost of US$52.5 million.

For further information, please contact the Divison of Industry of the National Development Corporation.

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Belgium
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	EC$	US$
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Castaways Beach Hotel	40	15
Emerald Pool	80	30
Papillote Retreat	45	18
Reigate Hall Hotel	35	13
Riviere La Croix	35	13
Sisserou Hotel	35	13
Springfield Plantation	25	10
Portsmouth	110	43
Mahaut/Belfast	15	5
Layou River Hotel	35	13
Pointe Michel	40	15
Scotts Head	65	25
Grand Bay	65	25
Soufriere	60	23
Marigot	130	50
Layou Valley Inn	75	28
Coconut Beach Hotel	110	43
Picard Beach Resort	110	43
Castle Bruce	120	45
Lauro Club	45	18
Melville Airport (per person) to:		
Roseau*	42	16
Anchorage*	44	17
Castaways, Lauro Club*	42	16
Portsmouth	30	12

* Via Transinsular Route

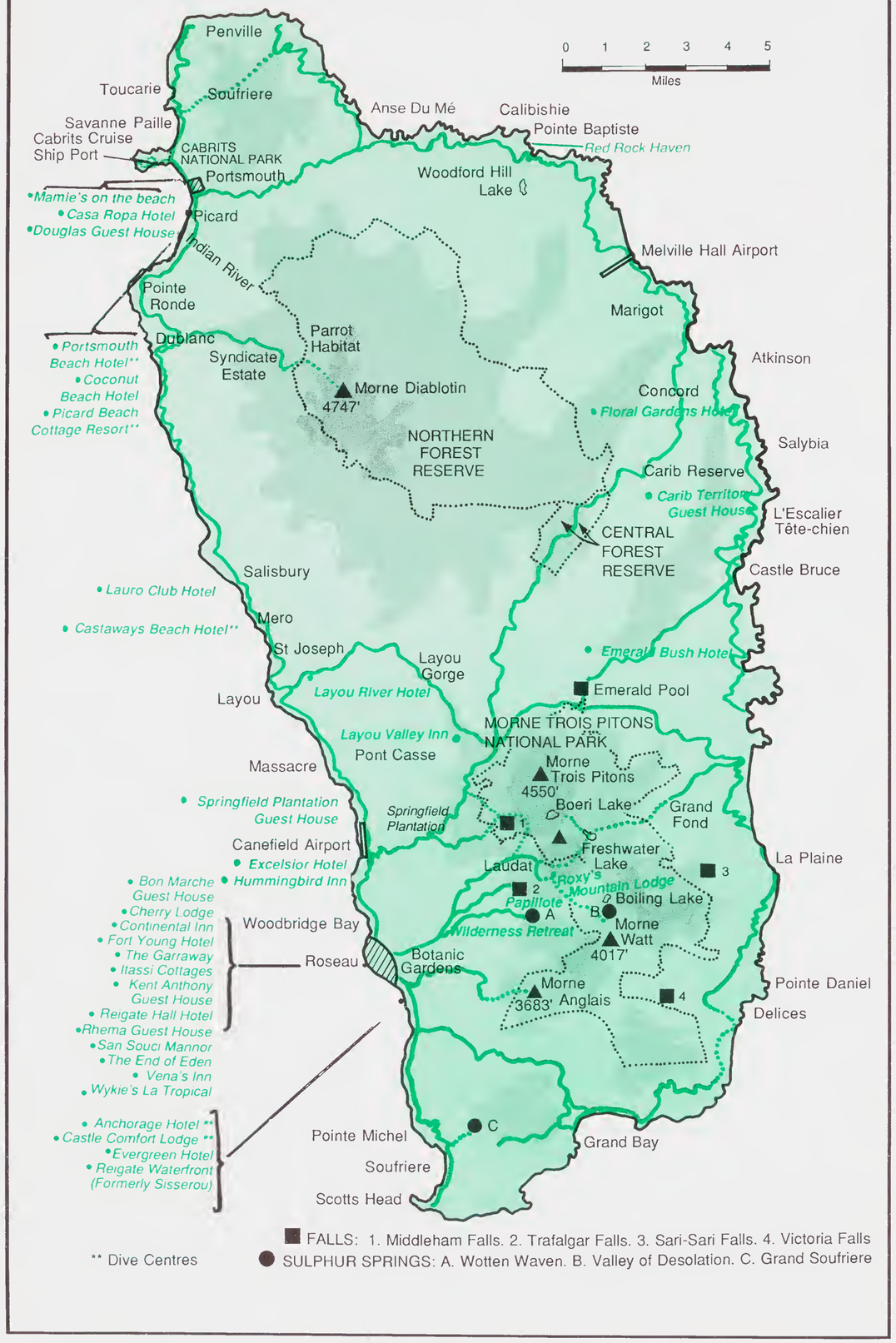
Taxi sightseeing rates:
EC$ 45 / US$18 per hour per car of 4.

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Roseau to:	EC$
Salisbury	3.50
Portsmouth	7.50
Woodford Hill	9.00
Marigot	9.00
Atkinson	9.00
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Canefield	1.50
Laudat	3.00
Trafalgar	2.25

For other routes, check the fares with the Dispatcher or Tourist information.
• Rates subject to official change.

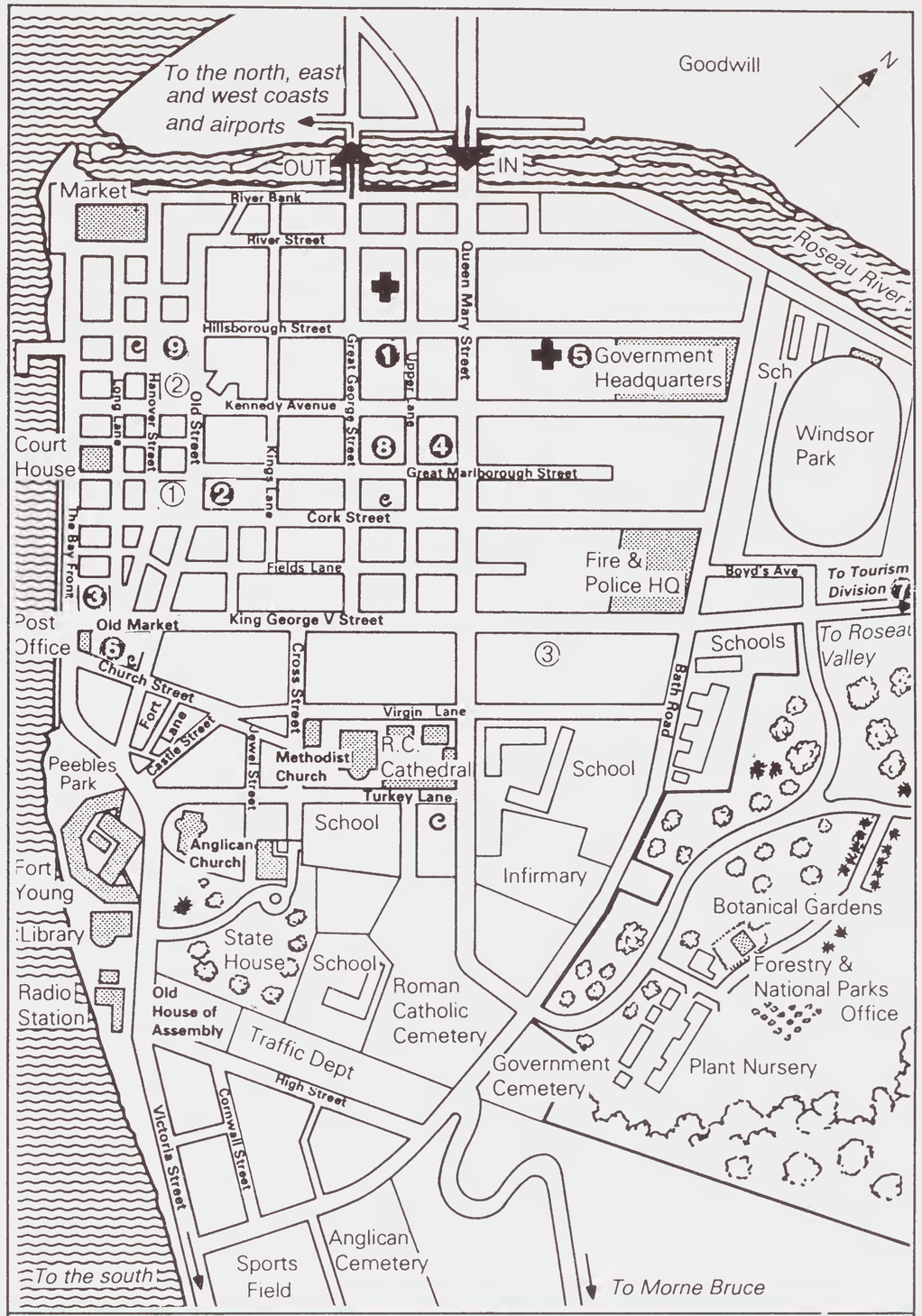
DOMINICA



** Dive Centres

■ FALLS: 1. Middleham Falls. 2. Trafalgar Falls. 3. Sari-Sari Falls. 4. Victoria Falls

● SULPHUR SPRINGS: A. Wotten Waven. B. Valley of Desolation. C. Grand Soufriere



ROSEAU

Map courtesy Lennox Honychurch

Map Directory

- Craft Shops
- Important Buildings
- Health Centres public & private

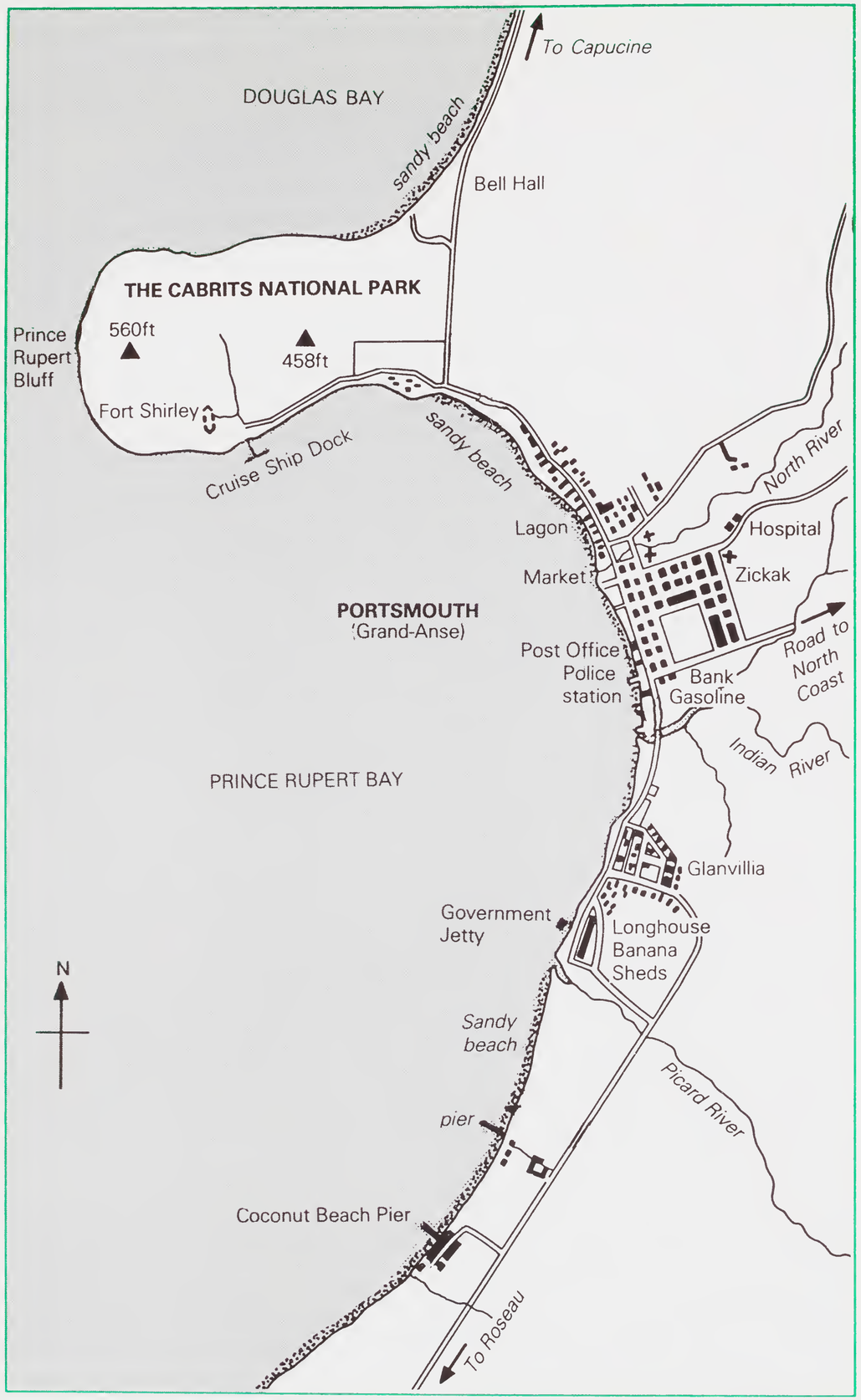
Black numbers

1. Mussons Travel Service
2. Whitchurch Travel Agency
3. LIAT

White numbers

1. Bank of Nova Scotia
2. Barclays Bank plc.
3. Royal Bank of Canada
4. Banque Français Commerciale
5. AID Bank & National Commercial Banks
6. Dominica Tourist Information
7. National Development Corporation, (Head Office of the Division of Tourism)
8. Dominica Hotel Association
9. Cable & Wireless (Telephone Service)

Map courtesy Lennox Honychurch



Portmouth, Cabrits and Prince Rupert Bay

Celebrating Columbus' Quincentennial

The quincentennial of the arrival of Christopher Columbus, who has recently been described as the first European visitor to the Caribbean, will be observed in Dominica during the years of 1992 and 1993. The official programme will be launched on November 3, 1992 and will climax on November 3, 1993, when Dominica celebrates its 15th anniversary of independence from Britain.

Whether or not Columbus discovered Dominica, it is clear that his coming to the Caribbean facilitated an 'encounter of cultures' - an event which not only affected the Caribbean and the Americas, but the entire world. In Dominica, the year long observation will focus on the evolution of the island's culture and in particular, the changes brought upon the Carib Indians - the indigenous peoples of the island.

To this date, Dominica continues to be home to a community of some 3,000 Carib Indians who have survived the 500 year passage from the 'discovery' to the present.

The Carib community will seek to address the issues which have affected their people through the years. Most importantly, they look to the future - to the preservation of their peoples and their culture; to the revival and enrichment of the Carib traditions much of which has been lost to the Dominican Carib; and to the improvement of their social, political and economic conditions. A themed 'Carib Month' is planned for August 1993 and will include the observance of a 'Carib Day'.

Dominica as a nation, will look back on the full scope of its history and cultural heritage and to the island's future. A number of themes have been identified for the observance.

QUINCENTENNIAL CALENDAR

1992	
October 25-31	Program in observance of Creole Week as part of National Day/Independence Celebrations.
October 30	Wearing of colourful national dress in hotels, businesses & schools in celebration of Creole Culture & Heritage.
November 01	National day of prayer & Thanksgiving.
November 03	Official start of year-long 'Encounter of Cultures' in observance of Columbus' Quincentennial.
November	Agriculture Month
December	Cultural Festival
1993	
January/ February	Carnival Celebrations
March	Environment Month
April	Sports Month
May	Church Month
June	Academic, History and Heritage Month
July	Maritime Month
August	Carib Month
September	European Month
October	African Month
November	Encounter and Beyond

PUBLIC HOLIDAYS

1992	
• Christmas Day	Dec 25
• Boxing Day	Dec 26
1993	
• New Year's Day	Jan 01
• Carnival	Feb 22/23
• Good Friday	Apr 09
• Easter Monday	Apr 12
• May Day	May 01
• Whit Monday (Pentecost)	May 31
• August Monday	Aug 02
• Independence Day	Nov 03
• Community Service Day	Nov 04
• Christmas Day	Dec 25
• Boxing Day (observed)	Dec 26 Dec 27

Guidelines for Yachts, Scuba Divers & Fishermen

In Dominica, we want to avoid user conflict in our marine environment, therefore various parts of our island have been allocated for priority use by particular users. Areas are identified as fishing priority areas, artificial reef sites, fish nursery sites, marine conservation sites, recreational areas and dive sites. Brochures indicating the precise location of these sites are available throughout the island.

We strive to make our island a "truly unspoiled and natural niche" and do not wish to restrict you from being a part of the ecosystem. The following guidlines will ensure that what you see and experience can be shared by others and revisited on your next trip to Dominica.

1. As a yachtsman, you should –

a. Observe that mooring of your craft is not permitted in certain locations. Mooring of any craft in what is designated a marine reserve or protected area is prohibited. The Scotts Head/ Soufriere Bay area, in the southeast of the island is now a marine reserve and is off limits for mooring.

b. On arrival, clear Immigration and Customs at any of the three designated ports of entry, namely; Portsmouth (in the north), Roseau (the capital on the west coast) and Anse Du Mai (in the east). A coast-wide permit must be obtained for movement of craft from one location to another.

c. Avoid mooring in areas where indigenous fishing activities are carried out.

d. Avoid engaging in fishing activities unless you have sought the permission of the Fisheries Development Division (FDD). A Sports Fishing Permit can be obtained.

e. Avoid disposal of all forms of plastic and non-food waste garbage such as paper, rags, glass, metal, bottles, cookery, dunnage, lining and packing materials in the marine environment.

f. Facilities are located at the commercial jetties at Portsmouth and Roseau for garbage that cannot be disposed of at sea.

2. As a scuba diver, you should –

a. At all times engage in scuba diving activities only through an authorised dive centre operator. A permit is required from FDD or any of the three authorised dive operations on the island.

b. Refrain from catching, taking or removing fish or any form of living organism from the seabed.

c. Refrain from taking or removing any artifacts from sunken wrecks.

d. Be a holder of a Certified Diver's Card before approaching a dive outfit, unless you intend to be engaged in a training program conducted by a dive authority.

e. Note that spear fishing is prohibited.

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Diving In Dominica

by Nigel Lawrence

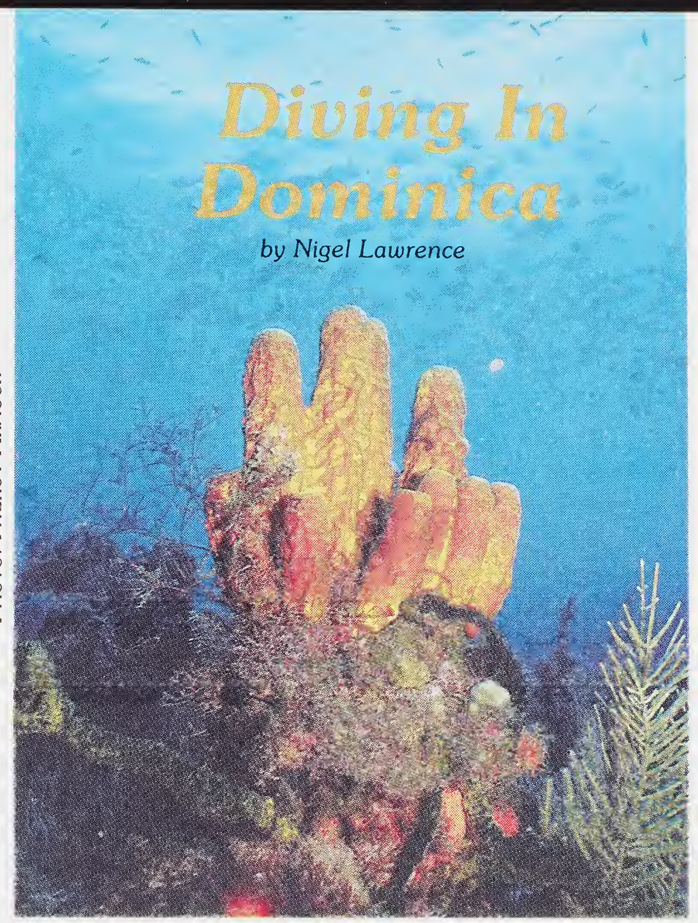


PHOTO: FITZROY ARMOUR

Many have written about diving and the marine environment in Dominica. Many more will write. Many will come to visit while others will wonder what its all about. So why not come in person and be part of the experience!

Let me allay your fears that any loss of beauty to the marine resources has been caused by the large numbers who may have visited before you. We have leading guidelines and measures which are aimed at reducing any negative impact on the environment. Come along and explore with me.

The beautiful mountainous island of Dominica is surrounded by crystal clear waters which are home to an abundance of fish and coral life all daintily fitted in nature's setting, with sheer steep slopes and gorges, similar to those seen on land. This setting has been quite appropriately referred to as, "the fantasy many divers would like to encounter and experience."

Dominica underwater life is not spread out in vast plains, but the quality is unsurpassed.

The island is not endowed with a vast continental shelf, but nature compensates for this with the experience of sky-diving under water, fascinating and strange, but true.

At the southern tip of the island, is a coastal setting referred to as Scotts Head/ Soufriere Bay, an area adorned with many features which indicate past volcanic activity both on land and sea. The southern-most tip of that enclosure is Scotts Head Point, a volcanic peninsula which is bounded by the Caribbean Sea on one side and the Atlantic Ocean on the other. From Scotts Head Point along the coast moving in a northerly direction up to a point commonly known as Pointe Giugnard, one will encounter some of the most exhilarating dive experiences in Dominica and the world. Within this bay are all the components usually scattered along various locations of the sea floor.

The pinnacle of Barracuda Point, an expanse of reef, some 200 meters west of Scotts Head Point, is a haven for reef fish of almost every type. The top of this reef lies in 10 feet of water and drops off at a very steep slope beyond 100 feet in the east. The walls

are decorated with glamorous giant tube sponges and sea gorgonians. Beautiful reefs of staghorn and brain coral drop suddenly off into a volcanically formed abyss.

If you want to experience nature's own sauna, try Soufriere, where a hot sub-aquatic fresh water spring is located. Champagne as it is called, covers approximately 3000 square feet of the sea floor. As the name suggests, crystal-like bubbles rise from small hot vents. In this area a great number of reef systems come up to the surface. Some drop 80 feet to a sandy bottom, others 10 feet. Reefcombers find their paradise on these reefs, as a variety of sea organisms including squid, chromes and squirrel fish live there. Champagne is excellent for night dives.

La Bim, the Creole (local dialect) name for an abyss, has been described as the most dramatic diving spot found on the west coast of Dominica. This expanse of reef is about 60 metres offshore and starts from a shelf at 20 feet deep and gradually increases in depth. Within 30 to 40 feet of water large schools of yellow head and Creole wrasse, and different species of grunt fish are found. Barrel and giant sponges complement a magnificent array of colours. In 70 feet of water, black and soft coral can be found. At another drop, almost 80 feet below the surface, the reef runs for about 1 1/2 miles in a northerly direction. As one descends to greater depths, more breathtaking features await. And if by then your curiosity is not sufficiently satisfied, continue down a path which ensures an adventure and truly magical experience; free fall to infinite depths.

Other dive sites are scattered around Dominica along the southeastern Atlantic coast from Pointe Caribe and continuing further south. These areas are for the more adventurous divers as the water is more turbulent.

Along the calmer west coast of Dominica, are clusters of reef systems which offer pleasant underwater scenes. Some of these are in Castaways, Point Ronde Bay and the marine component of the Carbits National Park.

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The underwater life in this area stretches from the narrow shelf and continues down slopes which are steep (about 45 degrees in some instances). Some of these slopes descend without interruption to at least 100 feet. The substratum on the slope is often composed of volcanic boulders with encrusting eipbiota. Visibility is usually good to about 80 feet.

Massive heads of starlet, brain and other colourful coral species, intermingle with sea grass beds, intricate basket sponges of several species, gorgonians, long-spined black sea-urchin, sea anemones and a wide variety of sea fans. These areas are popular for Creole, Yellow and Blue Head Wrasses, Parrot and Damsel fish. Sightings of Hawksbill turtles are common.

To explore these warm, sparkling blue waters and share in the magnificent scenery for which the island is world renowned, Dominica has three dive operator outfits which will offer you all you require to spend time with an array of underwater life forms.

The Fisheries Development Division (FDD) is responsible for the optimal management of the marine resources. FDD works closely with interest groups relating to the exploration of the marine environment. The approach used is one of "people or user participation." Through this approach the major beneficiaries of the various activities in the marine environment are given the responsibility to police same.

No better persons should have an interest in avoiding degradation of a dive site than a dive operator. Hence they have been charged with the task of seeing to it that the persons who dive in their care execute activities which are environmentally sound.

Scuba diving in Dominica is an activity which is encouraged with the protection of both the person and the environment in mind.

With the number of persons visiting these dive sites increasing, three artificial reefs have been created in Anse Batou, Pringles Bay and Rodney Rock, all on the west coast.

It is expected that those who dive off the reefs in Dominica will have lasting memories, and leave behind only bubbles.

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There are two airports on Dominica. The largest is at **Melville Hall** on the northern part of the island and one hour's drive from Roseau and 30 minutes from Portsmouth. Just 5 minutes drive from Roseau, **Canefield Airport** is convenient for inter-island transportation.

Dominica does not have an international airport capable of accepting large modern jets although one is in the planning stage.

Access is via international airlines into the gateways of Puerto Rico, St. Maarten, Antigua, Guadeloupe, Martinique, St. Lucia or Barbados. These airports are served by international carriers including American Airlines, Air Canada, American Eagle, Air France, Air Martinique, Continental, BWIA International, British Airways and Lufthansa.

Daily connections are made via LIAT, Air Guadeloupe or Air Caraïbes into either of Dominica's two airports.

There is a Dominica information desk in the arrival section of V. C. Bird International Airport in Antigua. This desk is open daily to assist people travelling to Dominica.

Please remember to reconfirm your return or onward bookings at least 72 hours prior to departure.

Caribbean Air Services is available for charter to surrounding islands for connections to international flights.

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Visitors to the island are required to present a valid passport and a return or onward ticket.

Proof of citizenship bearing a photograph is acceptable from US and Canadian citizens.

French nationals may visit for up to two weeks upon presentation of a *Carte Indentite*. Visas are required by citizens of Communist Bloc countries.

VACCINATIONS:

Yellow Fever Vaccination is required if arriving or in-transit from an infected area.

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There is an airport departure tax of EC$20 (US$8) for all visitors staying more than 24 hours. Children under 12 are exempt.

There is also a security service charge of EC$5 (US$2).

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The following are admitted duty free: Personal or household items which have been in use for more than three years; 40 ounces of spirit or wine; 200 cigarettes or half-pound of tobacco or 50 cigars. There are no restrictions on the amount of money that a tourist can bring into Dominica.

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By Sea:

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Tours are devised to give visitors an idea of what the island has to offer.

If you are planning a trip to a remote place it is best to hire a guide.

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Antours Dominica	86460	86780
Astaphan Tours	83221	83124
Dive Dominica	82188	86088
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VEHICLE RENTALS

	Tel	Fax
Anslem's Car Rental	82730	87559
Budget Rent-a-Car	92080	92694
Bonus Rental	82650	86050
Francis' Scooter Rentals	85295	
Jerry's Car Rentals	82559	92072
Norman Rentals	85749	83962
Pierro Auto Rental	82292	85826
S.T.L. Rent-a-Car	82340	86007
Sag Motors	91093	91098
Tropical Jeep Rentals	84821	
Valley Rent-a-Car:		86009
Roseau	83233	
Portsmouth	55252	
Wide Range Rentals	82198	83600

MALLY'S
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OFFERS:

- Transportation to and from Melville Hall and Canefield Airports.
- Transportation services within and around the town.
- Sightseeing Day Tours, where free drinks and lunch are included in the package.
- Tours by the hour to view the scenic beauty of places like the Emerald Pool, Trafalgar Falls and the Carib Indian Reserve.

Mally's Tour & Taxi Service
provides not only transportation, but has developed a reputation of reliability which is enhanced by radio communications, safety, competitive rates and a willingness to serve you.

64 Cork Street, Roseau,
Commonwealth of Dominica. W.I.

Tel: (809) 448-3114 Office
(809) 448-3360 Home
Fax: (809) 448-3689

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24 Hour Service

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Woodstone Shopping Mall,
Cnr. Cork & Great George Streets,
P. O. Box 428, Roseau, Dominica. W.I.

Tel: (809) 44 86460
Fax: (809) 44 86780

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FORMERLY CARLTON A. PHILLIPS' RENTALS

The longest serving
Car Rental Service in Dominica.

We offer you a conscientious and reliable service with a complement of well kept road worthy units in standard or automatic gearboxes. Also air conditioning and 4x4 jeeps.

Bonus rates are offered to repeat customers and for long term periods.

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A DIVISION OF:
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P.O. BOX 3, ROSEAU, DOMINICA. W.I.
Telephone (809 44) 82279
Fax: (809 44) 86009

RENTAL LOCATIONS

	ROSEAU (Goodwill Rd)	PORTSMOUTH
PHONE:	(809 44)	(809 44)
Day	83233	55252
After Hours	83233	55352

- Free delivery to and from Canefield Airport and hotels and guest houses within a 2-mile radius of our Roseau and Portsmouth offices.
- Many classes of vehicles are available and have been carefully selected for the road conditions in Dominica.
- Saloons, station wagons, pickups and 4-wheel-drive with standard or automatic transmission.
- Comprehensive insurance with a deductable of US$600.00 for any damage or loss to the vehicle.
- Collision Damage Waiver (CDW) is available at competitive rates.
- The renter must be between 25 and 65 years. A deposit is required except when credit cards are used.
- A Dominican Driver's permit can be easily obtained on arrival at the airport or through our offices.

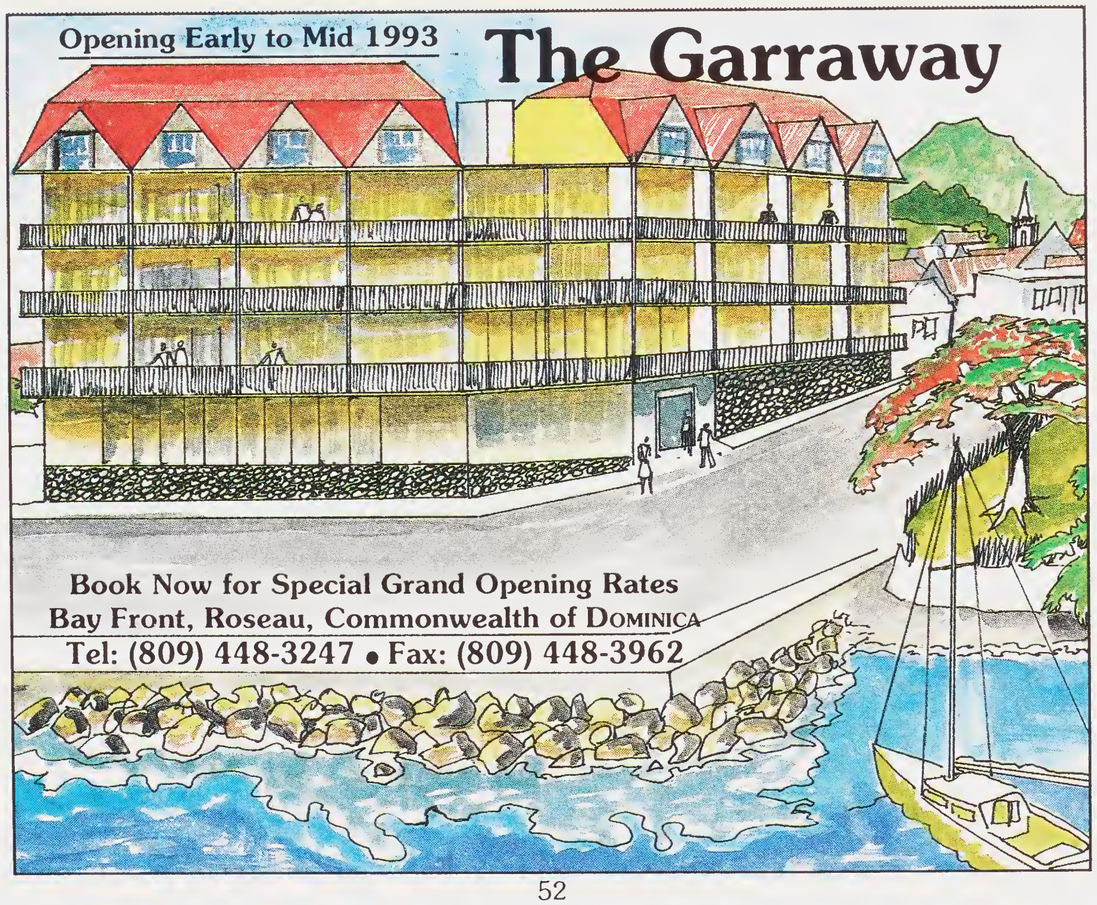
Most major credit cards accepted

Rates subject to change without notice.

...ERE TO STAY • WHERE TO STAY • WHERE

Dominica has a good cross-section of accommodation for the business traveller and the holidaymaker who wants "to live with nature". The Dominica Hotel Association's address is 27 Gt. Marlborough Street, Roseau, telephone (809) 44-86565, fax: (809) 44-82285. All postal addresses numbers are in Roseau unless otherwise stated.

HOTELS Name & Location	Postal Address	Telephone (809) 44	Facsimile (809) 44
Ambassador (Excelsior) Hotel, Canefield	P.O. Box 413	91501	92304
Anchorage Hotel, Castle Comfort	P.O. Box 34	82638	85680
Casa Ropa Hotel, Portsmouth	Portsmouth	55492	55277
Castaways Beach Hotel, Mero	P.O. Box 5	96244	96246
Castle Comfort Lodge, Castle Comfort	P.O. Box 63	82188	86088
Coconut Beach Hotel, Picard	P.O. Box 37	55393	55693
Evergreen Hotel, Castle Comfort	P.O. Box 309	83288	86800
Fort Young Hotel, Roseau	P.O. Box 519	85000	85006
Lauro Club, Salisbury	P.O. Box 483	96602	96603
Layou River Hotel, Clarke Hall	P.O. Box 8	96281	96713
Mamie's On the Beach	Portsmouth	54295	54295
Portsmouth Beach Hotel, Picard	P.O. Box 34	55142	55599
Reigate Hall Hotel, Reigate	P.O. Box 356	84031	84034
Reigate Waterfront Hotel (formerly Sisserou) Castle Comfort	P.O. Box 356	83111	83130
The Garraway, Roseau	Bayfront	83247	83962



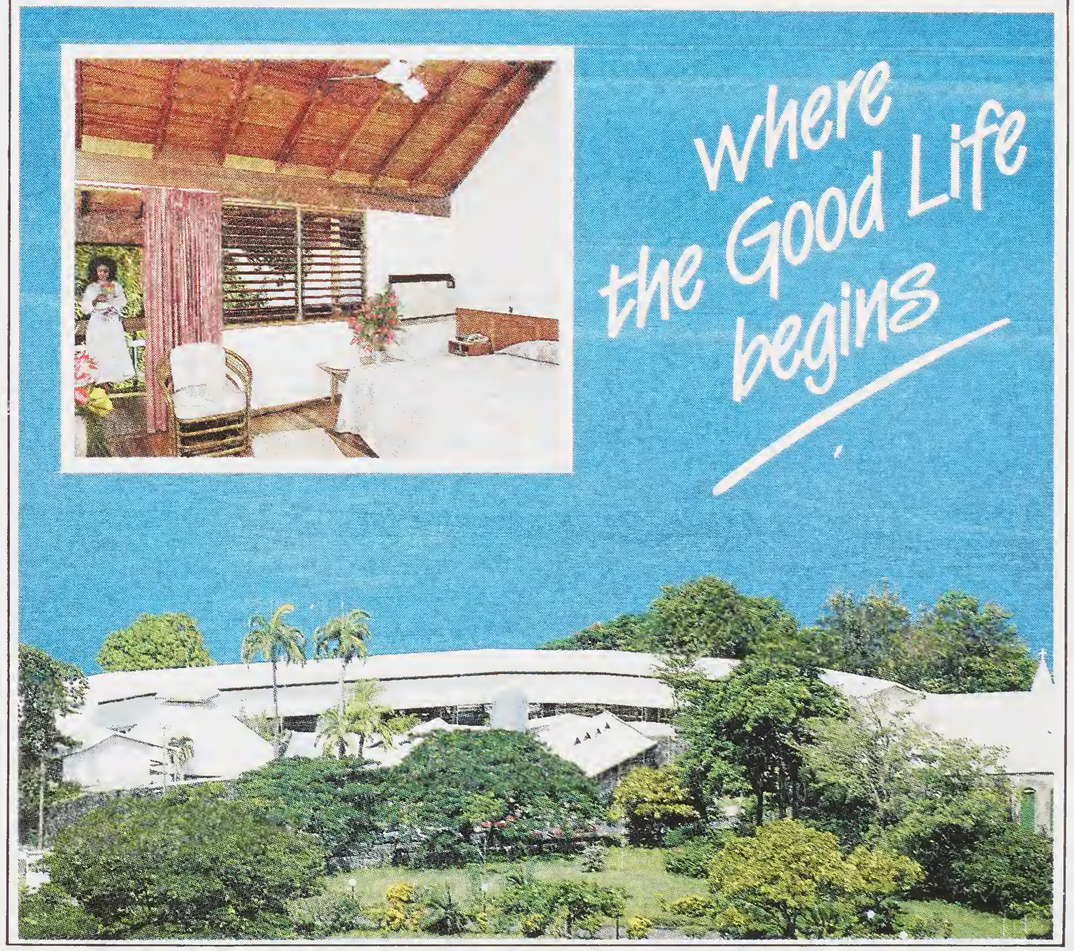
Fort Young Hotel

P.O. Box 519, Roseau, Dominica W.I.
Tel: 809 448-5000 Telex: 8601 Fort Do Cable: Fort Dominica Fax: 809 448-5006

Dominica's Leading Hotel



- New in the heart of Roseau
- 33 airconditioned rooms
- Full restaurant and bar
- Cable TV in every room
- Swimming pool
- Ocean view rooms
- Conference, seminar and private meeting facilities
- Direct dialling
- Telex and facsimile services



Floral Gardens



The Nature Island Sanctuary
Double Award winners for Creative Environment.
We are situated at the base of the Tropical Rain Forest overlooking the Carib Indian Reserve, 10 minutes from Melville Hall Airport and 15 minutes from premier sand beaches.
We offer: • Rooms • Carib Craft Shop • Safari Tours Rep • River Bathing • Hikes • Creole Cuisine at the **Island Restaurant**
A **must** for Adventure, Nature, and Honeymooners
Tel/Fax: (809) 445-7636
Concord Village, Dominica. W. I.

Ever Green HOTEL

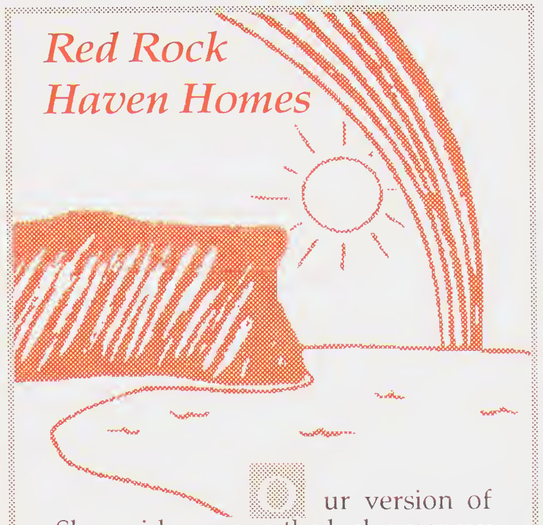
Situated by the sea and only one mile south of Roseau, we offer 16 comfortable double rooms, each with air conditioning, cable TV, bathroom and telephone, some with private balcony and sea view. Swimming pool and tropical garden available for your relaxation

Local cuisine–our speciality.

Diving and Island Day Tours can be arranged.

P.O. Box 309, Castle Comfort, Dominica, W.I.
Tel: (809) 44 83288/83276
Fax: (809) 44 86800

Red Rock Haven Homes



Our version of Shangri-la among the lush greenery and a beach of golden sand on the north-east coast near Calibishie.

We offer tastefully appointed one and two-bedroom chalets, self contained, fully equipped, with maid service. Get away like never before!

P.O. Box 71, Roseau,
Commonwealth of Dominica, W.I.
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BON MARCHÉ
Guest House



Conveniently located right in the heart of the city.

Cable TV service.

Special group rates.

Visit our souvenir shop and boutique on the same premises.

Also available: 3 Bedroom self contained apartment at Goodwill on the outskirts of Roseau

11 Old Street, Roseau
Tel: (809) 448-2083/4194

WHERE TO STAY • WHERE TO STAY • WHERE

Guest Houses Name & Location	Postal Address	Telephone (809) 44	Facsimile (809) 44
Bon Marche Guest House, Roseau	11 Old Street	82083/84194	
Canefield Overnighter, Roseau	P.O. Box 412	91378	
Carib Territory Guest House	Carib Territory	57256	
Cherry Lodge, Roseau	P.O. Box 138	82366	
Continental Inn, Roseau	37 Queen Mary St.	82214	87022
Douglas Guest House, Portsmouth	Portsmouth	55253	
Emerald Bush Hotel, Emerald Pool Rd.	P.O. Box 277	84545	87954
End of Eden Guest House, Roseau	2 Princess Lane, Goodwill	88272	

LAYOU RIVER HOTEL



Nestled on the bank of a picturesque island river, this traveller's dream hotel offers a startlingly different Caribbean setting depicting the tranquillity and beauty of Dominica. Close to the Emerald Pool and Carib Indian Territory.

Our prize winning chef will tempt you with wonderful island dishes, and special Chinese menu, in our Terrace Restaurant. Join us for Sunday Buffet.

Enjoy informal hospitality at relaxed rates.

U.S.A.-Paradise Found Inc. (800) 776-7256
DOMINICA. WI–P.O. Box 8, Roseau.
Tel: (809) 449 6281 • Fax: (809) 449 6713

The Hummingbird Inn
MORNE DANIEL



- *A quiet, private location protected by the naturalness of Dominica, the Caribbean Sea and its romantic sunsets.*
- *Beaches and rivers just a stroll away.*
- *Five minutes from Roseau, the capital.*
- *Five minutes from the Canefield Airport.*
- *Local and international cuisine.*
- *The personal touch of an exclusive guesthouse.*
- *Rates from US$30 per night.*

Jeane James, P.O. Box 20, Roseau,
Commonwealth of Dominica, W.I.
Tel: (809) 44 91042 • Fax: (809) 44 85778
San Francisco • E. Finucane • Tel: (415) 386 9554

Papillote Nature Sanctuary

LODGING IN THE RAINFOREST



- Hot Mineral Pools and Waterfalls
- Exotic Gardens
- Indigenous Crafts

RAINFOREST RESTAURANT

- Lunch by reservation
- Monday to Saturday 10am-3pm

A SERENE INTERLUDE IN A PLACE OUT OF TIME

Box 67, Roseau, Dominica, W.I. • Tel: (809) 448-2287 • Fax: (809) 448-2285

Floral Gardens, Concord	P.O. Box 192	57636	57636
Hummingbird Inn, Morne Daniel	P.O. Box 20	91042	85778
Kent Anthony Guest House, Roseau	3 Gt. Marlborough St.	82730	87559
Layou Valley Inn, Layou Valley	P.O. Box 196	96203	85212
Papillote Wilderness Retreat, Trafalgar Falls Road	P.O. Box 67	82287	82285
Rhema Guesthouse, Goodwill	1 Canal Lane/Fed. Drive	87170	
Roxy's Mountain Lodge, Laudat	P.O. Box 265	84845	84845
Springfield Plantation, Springfield	P.O. Box 456	91401	92160
Vena's, Roseau	48 Cork St.	83286	
Vena's Paradise Resort, Pond Casse	c/o 48 Cork St.	92001	
Wykie's La Tropical, Roseau	51 Old Street	88015	87665

Mamie's
On The Beach Hotel

A Charming Experience!



Special rates for
groups and Caricom travellers.
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RG

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It's here at

RHEMA GUEST HOUSE

(formerly Goodwill Inn)

1 Canal Lane/Federation Drive,
Goodwill, Dominica.

TEL: (809) 448 7170

- It's simply elegant, comfortable, friendly, peaceful and affordable.
- Ideal for families and groups.
- Great for business personnel.
- 10 minutes drive to the airport; 5 minutes walk to town.

We are waiting to serve you!

Picard Beach Cottages

Romantic bungalows on the water's edge. Situated one mile south of the sleepy marine town of Portsmouth on Dominica's longest beach. Our self-contained cottages are ideal for honeymooners and vacationers.



P.O. Box 34, Dominica, W.I. Tel: (809) 445 5131 ☐ Fax: (809) 445 5599

CASTAWAYS
BEACH HOTEL
Watersports & Dive Centre

Dominica's premier & only beach hotel, surrounded by lush gardens, fragrant with tropical flowers. Relax in enchanting beachfront accommodation, among unspoiled, peaceful surroundings. Finish a casual day of snorkelling, sailing, windsurfing, diving, tennis or lazing in the sun with a wonderful dinner of Creole or International Cuisine in our terraced Almond Tree Restaurant. For casual, charming island hospitality
– The Castaways

For Reservations:
P.O. Box 5, Roseau, Commonwealth of Dominica W.I.
Telephone: (809) 44 96244 • Telefax: (809) 44 96246
• ITR: (800) 626-0581 • 800-74-CHARMS

Apartments & Cottages Name & Location	Postal Address	Telephone (809) 44	Facsimile (809) 44
Bon Marche Apartment, Roseau	P.O. Box 449	84194	
Castille Apartment, Scott's Head	Scott's Head	82926	
Coconut Beach, Picard	P.O. Box 37	55393	55693
D'Auchamps Apartment, Trafalgar	P.O. Box 89	83346	
Eileen Shillingford Apartment, Goodwill	#15 St. Aroment	82986	
Emerald Carib Cottages, Emerald Pool Rd.	P.O. Box 277	84545	87954
Gallion-On-Sea, Soufriere	P.O. Box 135	82194/229	86091
Hampstead Country House, Hampstead	c/o Douglas Guest House	55253	
Hifrance Cottage, Scott's Head,	P.O. Box 133	82937	
Honychurch Apartment, Roseau	P.O. Box 89	83346	
Itassi Cottages, Morne Bruce	P.O. Box 319	84313	83045
Lauro Club, Salisbury	P.O. Box 483	96602	96603
Layou Valley Inn Cottage, Layou Valley	P.O. Box 192	96203	85212
Lydiaville, Scott's Head	P.O. Box 319	84313	83045
Papillote Cottage, Trafalgar	P.O. Box 67	82287	82285
Picard Beach Cottage Resort, Picard	P.O. Box 34	55131	55599
Pointe Baptiste, Calibishie Village	Calibishie Village	57322	
Pringle Self Catering Apts., Belfast	P.O. Box 153	82630	
Red Rock Haven, Calibishie	P.O. Box 71	82181	85787
Riviere La Croix, Riviere la Croix	P.O. Box 100	91354	
Sans Souci Manor, St. Aroment	P.O. Box 373	82306	86202
Springfield Plantation, Springfield	P.O. Box 456	91401	92160
White Cottages, Glasgow	P.O. Box 42	82028	



LAYOU VALLEY INN

A True Rainforest Retreat

Full of plants and flowers with
Panoramic Vistas of
Rainforest and Layou Valley
in the very heart of Dominica



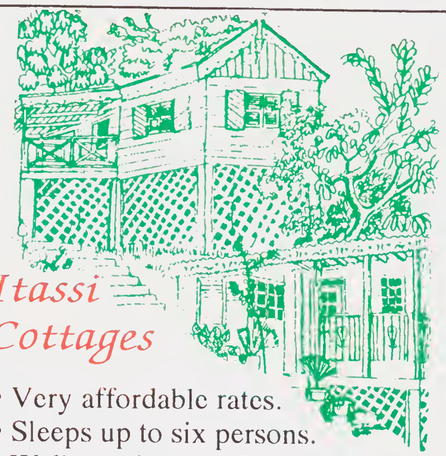
For a vacation that is different...
Take a step back in time

Comfortable rooms with private
bath/shower. Country French Food.
Special Jumbo Planters Punch.

Layou Valley Inn, P. O. Box 196, Roseau, Dominica, W. I.
(13 miles from Canefield Airport)
Tel: (809) 449 6203 • Telex: 8609 • Fax: (809) 448 5212.

CONFERENCE FACILITIES

Anchorage Hotel	60
Castaways Beach Hotel	75
Ambassador (Excelsior) Hotel	50
Fort Young Hotel	100
Layou River Hotel	200
Portmouth Beach Hotel	120



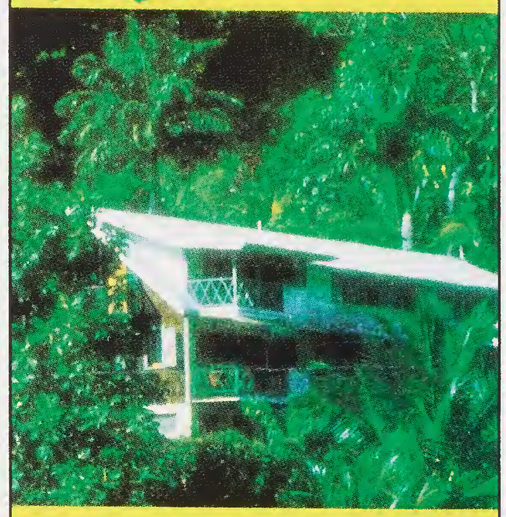
Itassi
Cottages

- Very affordable rates.
- Sleeps up to six persons.
- Well appointed self-catering cottages with TV and a panoramic view of the Caribbean Sea.
- Glorious sunsets in a tranquil setting.
- Only 15 minutes walk from Roseau.
- Tennis courts - racquets provided.

Become one of our many
charmed and delighted guests.
Discover Dominica with Itassi.
Morne Bruce, Roseau, Dominica.
Tel: (809) 448 4313 • Fax: (809) 448 3045

SPRINGFIELD PLANTATION

GUEST HOUSE
P.O. Box 456
Tel: (809) 44 91401
Fax: (809) 44 92160



A charming mountain inn: Originally an old plantation house...now modernised and enlarged, complete with antique furnishing. This magnificient hotel complex stands approximately 1,200 feet above sea level and provides a spectacular view of lush virgin forest that simply cannot escape the eye. Undoubtedly a 'home away from home' the **Springfield Plantation Hotel**, six miles from town, with close river bathing, is the ideal place for nature lovers and holidaymakers.

DOMINICA'S

REIGATE HALL HOTEL

... a mountainside retreat overlooking the coast

This former manor house is a full service luxury hotel and boasts of charmingly quaint rooms and suites, with hardwood floors and French doors. Landscaped grounds surround the pool, patio bar and tennis court. The verandah offers a breathtaking view of the valley and the sea below.

TEL: (809) 448-4031 • FAX: (809) 448-4034

P.O. Box 356,
Roseau,
DOMINICA.

REIGATE WATERFRONT HOTEL

formerly the Sisserou Hotel ...

Newly renovated with oversized balconied rooms. Each has an unobstructed view of the cobalt sea and offers front row seats to a wonderful Caribbean sunset nightly. Feast on the most elaborate BBQ on Dominica (Wednesday) and dance under the stars to the rhythmic sounds of live entertainment.

TEL: (809) 448-3111 • FAX: (809) 448-3130

Dominican Food...

for those who seek adventure

The average Dominican not only appreciates and enjoys good food, but is capable of making a fair judgement on the quality and taste of food. Despite our recent exposure to the "fast food" concept, our preparation of the fast food items usually "boils down" to a tastier version of its original. Whatever it takes in terms of pre-cooking preparation, we are essentially Creole in taste and it is a rewarding experience for any cook that our population savours with enthusiasm our excellent cuisine.

Dominican cuisine is a fascinating combination of France and Africa, both famous cuisines, with our own tropical blend as well as the influence of the British Isles and more recently through travel, India, China and North America. The essence of Dominican cooking is the pre-cooking preparation which takes the form of seasoning or marinating. The herbs and spices chosen for seasoning are always fresh and compliment each other to achieve a subtle blend, so that only in exceptional cases, no singe herb or spice dominates.

Our farmers produce an abundance of wonderful herbs, i.e. chives, thyme, celery, parsley, seasoning peppers, hot peppers and sweet peppers. To these herbs are added crushed garlic, salt and a small quantity of vinegar or lime juice to obtain an ideal marinade for either meat or fish dishes.

Fruit and vegetables are easily obtainable most of the year. Fortunately, there are different peak seasons for some fruit and vegetables, so we are never without something to enjoy. During the summer months, there are also our "fun" fruit like the kenip, yellow plums, numerous types of small mangoes, plumrose and sugar-apples. These fruits are eaten ripe without ceremony, many being consumed at any given time. Our

DOMINICA EXPORT IMPORT AGENCY

Market facilitators promoting and developing agricultural and agro-processed products from Dominica.

WORKING TO INCREASE EXPORTS!

Our services include:

- Information on setting up export/import operations
- Services to help exporters find effective and reliable overseas markets
- Helping buyers to procure local produce
- Market research on key overseas markets
- Processing enquiries from overseas

For more information contact us at:
P.O. Box 173, Roseau, Commonwealth of Dominica
Tel: (809) 448-2780, 3494/5 • Fax: (809) 448-6308 • Telex: 8626 DEXIA DO



ROGER BRATHWAITE

tropical climate inspires many beverages. Oranges, grapefruit, tangerine, sour-sop, passion fruit, tamarind and our ever available green coconut make terrific drinks, as well as delicious sorbet and sherbet for easy refreshing desserts. The coconut cream extracted from the dry coconut combined with fruit juice makes an exotic blend and by adding a little rum, a few drops of Angostura Bitters and some freshly grated nutmeg, one can create an awesome punch or cocktail.

Julie and Graham mangoes, water-melons, pawpaws, ripe bananas, pineapples, guavas, mamie-apples and carambola cut into small pieces and flavoured with cherry juice makes and excellent fruit salad, a favourite Dominican dessert. Using a blender, these fruits can be made into rich fruit nectars and served chilled on a warm tropical day. Most of our fruit makes good jam and can be made into tarts.

Contrary to what one might expect Dominicans are not great salad consumers. For health reasons as well as to serve the tourist, some effort and creativity has been given more recently to salads and we have emulated the "toss" salad idea. Moreover, we produce water-cress, lettuce, avocados, tomatoes, carrots, cabbage, cucumbers, radishes, turnips, spinach, egg-plant, christophene and pumpkin, which is superior to the North American species. A stir-fry using a combination of these vegetables is excellent eating. These vegetables are also used for cream soups either individually or combined. The traditional favourite being the "Calalloo" made from the young dasheen leaf, ochroes and lots of herbs and exquisitely flavoured with smoked meat and crab.

Our root vegetables such as the dasheen, yam, cushcush, tannia and sweet potatoes are one group of food consumed daily. Then there is the banana family, i.e., green banana and the plantain (green and ripe) and finally, the breadfruit and breadnut of the same family. All of these are normally eaten simply, just boiled or steamed preferably in the skin, peeled, cut into slices and served very hot. Sometimes, they are then fried, just for a change of taste.

The green banana and plantain make chips that are equal to the potato chip in taste. All of these vegetables can also be cooked, mashed, seasoned and deep fried for croquettes or made into vegetable pies or au-gratin by being sprinkled on top with cheese and placed under the grill.

More recently, we have been experimenting with fruit and vegetable combinations particularly in salads. Thus our creativity is challenged and we can tempt the most fastidious of gourmets. Our restaurants and fast food outlets are only too happy to oblige those seeking adventure.

FAVORITE RECIPES

ISLAND FISH SOUP

1 lb. fish fillets (seasoned)
1 tbsp. lime juice
4 cloves garlic
2 large carrots, cubed
1 onion, grated
2 seasoning peppers, grated
1 tbsp. thyme, chopped
1 tbsp. salt
2 potatoes, cubed
8 cups water
2 green onions, chopped (garnish)

Method:

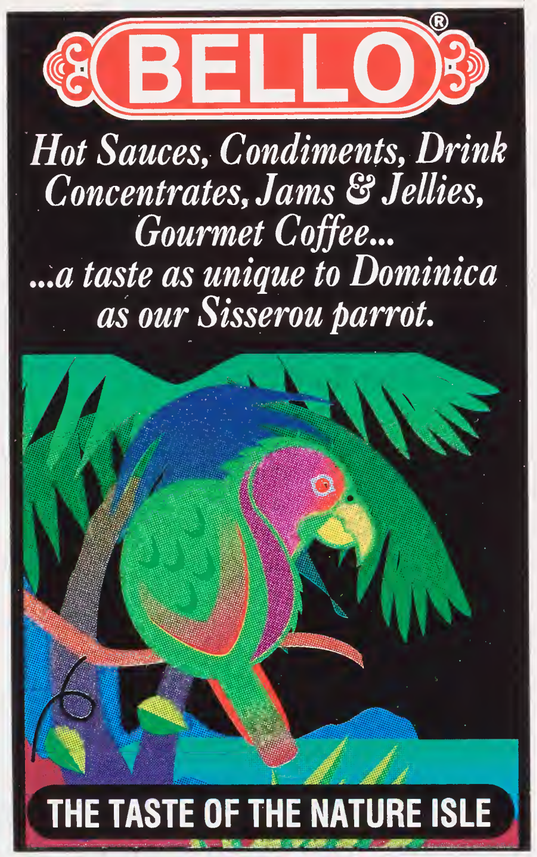
Bring water to boil in pan. Add garlic, grated onion, thyme, salt, seasoning, pepper, carrots, lime juice and potatoes. Allow to cook gently until vegetables are tender. Cut fish into half inch pieces and allow to simmer for about 15 minutes. Serve very hot .

MERMAIDS DREAM

1 cup orange juice
1 cup grapefruit juice
1 cup pineapple juice
1 cup guava juice
1 cup mango juice
1/2 cup passion fruit syrup
1 cup sherry
2 cups rum
1 teaspoon Angostura Bitters
Brown sugar to taste
Grated nutmeg for garnish

Method:

Combine all fruit juices in a jar. Add passion fruit syrup and brown sugar to taste. Add rum, sherry and Bitters, Serve cold with ice cubes with a sprinkle of grated nutmeg.



The Orchard

On your next trip to Dominica, a visit to THE ORCHARD is a must. It's nothing less than that wonderful Caribbean oasis you've dreamed about, situated right in the heart of a very hot capital.

For excellent Creole cuisine including specialties such as vegetarian delights, plus top quality roti, black pudding, hamburgers, meat pies and a variety of sandwiches.

For that special snack, long cool drink, or romantic supper - it sure is the place to be.

Corner King George V & Gt. George Streets, Roseau.

Open
Monday - Friday 8a.m. - 10p.m.
Saturday 8a.m. - 4p.m.
Tel: 44 83051

Where to Dine

Hotels and restaurants utilise fresh fruits and vegetables in the preparation of Creole, Continental and American style cuisine. Specialities include Crapaud or Mountain Chicken (frogs' legs), Crab Backs, Callaloo, home made stone oven baked bread, fresh fruit juices and rum punches. Most restaurants in the town are closed on Saturday afternoons and Sundays. Hotel restaurants are open daily.

ROSEAU

Cartwheel Café, Bay St.	85353
Cathy's Pizzeria, 10 Old St.	86003
Continental Inn 37 Queen Mary St.	82214/5
Creole Kitchen Woodstone Mall, Cork St.	86052
Evergreen Hotel, Castle Comfort	83288
Fort Young Hotel, Victoria St.	85000
Green Parrot, 10 Bay Front	88944
Guiyave Restaurant & Bar 15 Cork St.	82930
Kent Anthony Guest House 3 Gt Marlborough St.	82730
La Robe Creole, Fort St.	82896
La Tropicale, 15 King George V St.	83772
Mange Dominique, Cork St.	87100
Mousehole, Fort Street	82896
Orchard Restaurant King George V St.	83051
Pearl's Cuisine, 19 Castle St.	88707
Pina Colada Bar, 30 Bath Road	86921
Pizza Palace, River Bank	84598
Raffoul Snackette 13 King George V St.	84145
Trends, Hillsborough Street	
World of Food, Queen Mary St.	83286

AROUND ROSEAU

Ocean Terrace, Anchorage Hotel Castle Comfort	82638
Castaways Beach Restaurant (Hotel), Mero	96244
Evergreen Hotel, Castle Comfort	83288
Good Times Restaurant, Checkhall	91660
Lauro Club, Salisbury	96602
Layou River Hotel, Layou	96281
Papilotte Wilderness Retreat Trafalgar Falls Rd.	82287
Reigate Hall Hotel, Reigate	84031/2
River Side Cuisine, Loubiere	88038
Seamoon Club, Massacre	91061
Shipwreck, Canefield	91059
Tony's Corner, Mero	

IN AND NEAR PORTSMOUTH

Coconut Beach Restaurant	55393
Douglas Snackette & Rest.	55253
La Flambeau	55131
Mamie's On the Beach	54295
Purple Turtle Beach Club	55296
The Cabin Restaurant	55695

OTHER AREAS

Almond Beach Restaurant & Bar Calibishie	57783
Emerald Bush, Emerald Pool	84545
Floral Gardens Hotel, Concord	57636

ENTERTAINMENT

Anchorage Hotel
Tuesday Evening Buffet. Wednesday and Friday afternoon Boat Cruise.

Fort Young Hotel
Happy Hour and Friday Bar-B-Que

Lauro Club Hotel
Wednesday Evening. Live cultural music entertainment.
Saturday – Lobster/Steak Grill at the Bar.

Reigate Waterfront (Formerly Sisserou)
Wednesday evenings – live entertainment and Bar-B-Que

Discoteques open weekends. These include:

- **Aqua Cade** - Canefield 91489
- **The Warehouse** – Checkhall 91303

Other night time entertainment spots include:

ROSEAU

- **Trends**
- **Pina Colada Bar** 86921
- **Etienne's Garden Club** - Clarke Hall
- **Shipwreck** - Canefield, Donkey Beach
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national festivals

Story & photos by Lennox Honeychurch

Throughout the year, Dominicans celebrate a number of festival and religious feast days all over the island. Some, like Carnival and Independence celebrations are on a national scale and are preceded by weeks of activities. Others are limited to individual villages and only last for a day, yet many of these attract visitors from all around Dominica.

Our French influenced history has much to do with these 'fetes'. It was the British map makers in the late 1760s who divided Dominica into its ten parishes, each one bearing the name of a saint. Except for legal documents such as land deeds these names and divisions are not generally used. The French Roman Catholic Patron Saints of each village receive far more recognition and it is on their feast days that most of the main village festivals occur. This mixture of English parishes and French saints can be confusing, but it is an interesting remnant of the European conflicts 200 years ago. For instance: the villages in the official parish of St. Paul celebrate the feast of St. Anne; the parish of St. Joseph celebrates the feast of St. Gerard and the largest village in St. Patrick's celebrates the feast of St. Isidore! Just a few examples, and there are several more.

One of the most widely celebrated religious feasts is the Fete La St. Pierre, the feast of fishermen also called the feast of St. Peter and St. Paul. The official feast day is June 29th and all the main fishing villages take a turn at hosting the fete. This is also done so that each village can get a share of the action,

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as people move from one feast to the next throughout the months. Each day begins with a church service where, during the offertory procession, fish and produce of the land is brought before the altar. This is followed by a parade to the seashore where the decorated boats are blessed and in some cases the priest and others are taken for ceremonial ride around the bay, then villagers and visitors from other parts of the island go *en fete* for the rest of the day with house visits and dancing way into the night. Some fishing villages celebrate other saint days as well as St. Peter so that a complete list can be quite long. Apart from St. Peter's, some of the main villages and their patron Saints are as follows:

Soufriere	- Our Lady of Lourdes
Point Michel	- La Salette
Newtown	- Fatima
Mahaut/ Massacre	- St. Anne
St. Joseph	- St. Gerard
Salisbury	- St. Theresa
Toucari	- St. Antoine
Vielle Case	- St. Andre
Saint Sauveur	- St. Isidore
Laudat	- St. Anne
Trafalgar	- St. Mary Magdalene
Giraudel	- Our Lady of Perpetual Succour
Grand Bay	- St. Isidore

Dates of observance of patron saints days fluctuate. The official date may not coincide with the date on which the festivities are observed so that it is impossible, far in advance, to say which village will be doing what on a certain day.

At Grand Bay, Fete St. Isidore (patron saint of farmers and laborers) is a harvest festival celebrated in a most colorful way. Lourdes, Fatima and La Salette are noted for the pilgrimages people make from other parts of the island to pray at these shrines dedicated to our Lady and her appearances at Lourdes and La Salette in France and at Fatima in Portugal.

Fete Les Tou Saintes or All Saints is observed each November lst when people visit the graves of their departed friends and relatives to light candles and bring flowers. In the evening, the town and village graveyards become a mass of twinkling yellow lights interspersed with the moving silhouettes of visitors in prayer.



Sisserou Carnival Costume

Apart from Christmas and Easter, the biggest festival of the year is Carnival. The actual two Carnival holidays of street jump-up are the Monday and Tuesday before Ash Wednesday, but there are calypso and queen contests, shows and parties for at least two weeks before that. All this stems from a mixture of French Roman Catholic traditions and West African costume, song and dance forms. Although masqued balls and Creole fetes were a feature of the French plantocracy throughout the Antilles, street Carnival really blossomed after Emancipation in 1834.

The other annual island-wide festival is Independence Day. Celebrations start in September leading up to Independence Day itself on November 3rd. Village groups compete with each other in competitions of traditional dance, song, storytelling and



Festival of St. Peter, Calibishie



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Jing Ping Band

musical performances. It is also the time when ladies bring out their prized garb, the grand robe and jupe, their ornate petticoats, jewelry and madras headties to display the finery of Dominica's national dress. The festivals, the language and the folklore associated with it, all reflect the colorful diversity of the island's people and their history.

The Friday before Independence Day is usually observed as Creole Day. School children, office workers and the public put on the National Costume or variations thereof. This recent introduction is observed mostly in Roseau and the bright flashes of madras cloth, sparkling bangles, bracelets and earrings give the streets of the capital a festive air.

On Creole Day hotels and restaurants advertise local cuisine and community groups use the day for fund-raising by offering special Creole lunches and snacks at venues around town. The national radio station broadcasts in Creole for the entire day and in theory everyone should go about their business in Creole, although in practice, after a few jovial Creole salutations, just to make the point, most people lapse into English for more complex business transactions.

The music for these festivities is provided by the traditional 'jing-ping' of 'shack-shack' bands. Each band is usually composed of four instruments; the boom-boom, the tambou, the gwage or shack-shack and the accordion. Sometimes violins and banjos are added for extra effect. The jing-ping accompanies the traditional dances such as quadrille, lancers, polka and flirtations.

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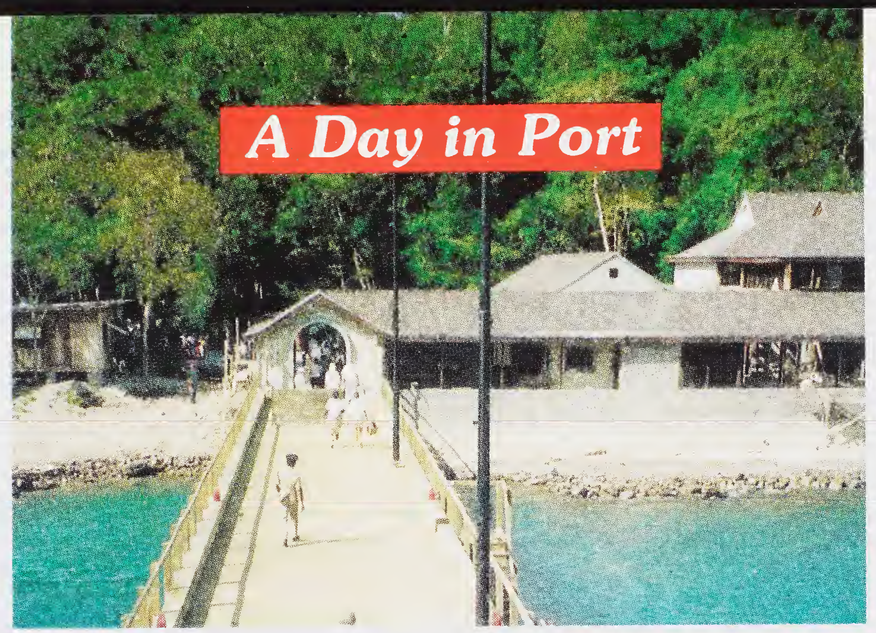
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A Day in Port

Cruise passengers arriving in Dominica can expect to enjoy a rather different Caribbean destination experience. This is an island for the ultimate nature experience while cruising the Caribbean waters. While there are beaches, one should plan on a romance with nature, island culture and handicraft, among some of the friendliest peoples of the Caribbean.

This guide book will supply information relative to island history, culture, natural attractions, shopping, etc. but this article is to help the cruise visitor make the most of their precious hours to be spent here.

Arrival in Dominica will be at the Cabrits Cruise Ship Berth, Portsmouth or Woodbridge Bay Deep Water Harbour, Roseau.

Woodbridge Bay Deep Water Harbour is located about one mile north of Roseau, the capital of Dominica. This is a commercial port and many Windjammers and larger cruise ships anchor here.

The Cabrits Cruise Ship Berth, located in the north of the island, is a facility which is dedicated to the cruise visitor. It is uniquely located within the Cabrits National Park, in a non-commercial environment and on a historic landing site.

Both ports of entry offer handicraft shopping on site in casual settings.

Pre-sold visitor tours are well co-ordinated by local cruise ship and appointed transportation agents, along with the designated Port Officers and Security. Independent passengers can be accommodated by contacting the Tourist Information Offices which are located at both Ports of Call. Information Officers will help visitors to make contact with taxi drivers, provide pricing and general information and also recommend tour circuits. A shuttle service allows for transportation from Woodbridge Bay to Roseau and beaches in close proximity.

From Woodbridge Bay Deep Water Harbour, plan on touring to Roseau, Morne Bruce, the Botanical Gardens, Trafalgar Falls, the Wotten Waven Sulphur Springs, the Emerald Pool for what may be your first swim in a flowing and unpolluted river.

The Cabrits Cruise Ship Berth is close to the restored ruins of historic Fort Shirley where the grounds of Cabrits National Park are excellent for enjoying the view onto Prince Rupert's Bay and the town of Portsmouth. The berth is within minutes of some of Dominica's best golden brown sand beaches. Within Portsmouth, one can canoe up the Indian River or take a longer tour to the northern tip of the island or travel across the scenic north east coast to the Carib Territory.

Other opportunities are available for specialist activities...hiking, bird watching and the like. It is however recommended that arrangements are made in advance.

Dominica is green, beautiful and different. Enjoy your nature experience and let us have your impressions. *Welcome!*

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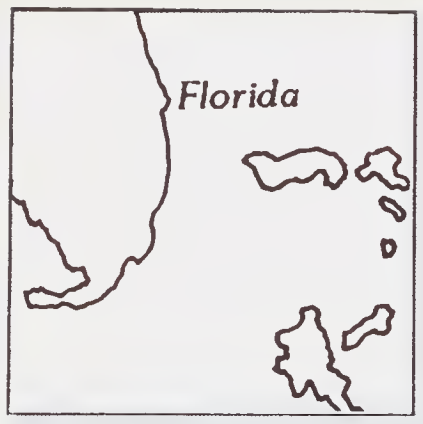
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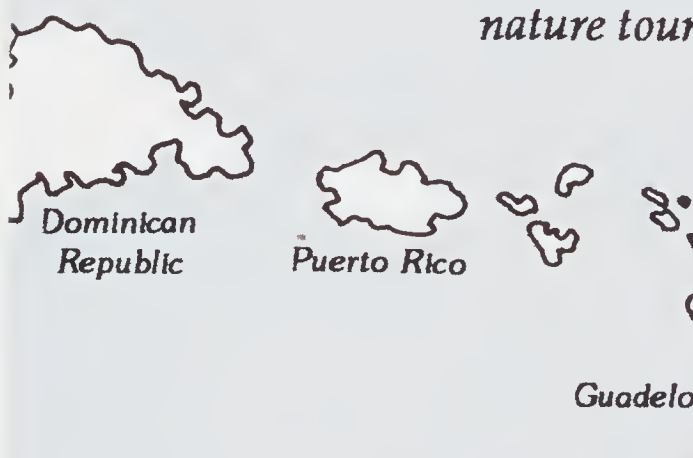
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DOMINICA TOURISM SURVEY

(Voluntary and Anonymous)



Your responses to this survey will help the government of Dominica to continue to improve facilities, services, attractions, transportation, and natural environments in order to make the island an even more enjoyable place to visit.

Please answer this questionnaire completely. All your responses are anonymous and confidential. No signature is required.

If you have any questions regarding this study, please feel free to contact (at the address or telephone number on the front page of this survey):

Alan J. Case
Principal Investigator

THE FIRST FEW QUESTIONS CONCERN THE DATE AND REASONS FOR YOUR MOST RECENT VISIT TO DOMINICA.

1. What **MONTH** and **YEAR** was your **MOST RECENT VISIT** to Dominica?

   Month _____ Year _____

2. Not counting this trip, **HOW MANY TIMES** have you visited Dominica?

   _____ Times

3. On this trip, **WHAT ISLAND(S)** did your **PERSONAL TRAVELING PARTY** (yourself and any other persons who shared in or were covered by the trip costs) **VISIT** where you stayed **ONE OR MORE NIGHTS**? (Please write in)

Island(s)	Nights Stayed
_____	_____
_____	_____
_____	_____
_____	_____

4. What was the **COMPOSITION** of your **PERSONAL TRAVELING PARTY**? (Circle one)

   1 By Myself
   2 With Spouse (or significant other) Only
   3 Family Only (spouse, children, and/or etc.)
   4 Family and Friends
   5 Group of Friends
   6 Tour Group
   7 Other (Please specify) _____

5. How many **PEOPLE** were in your **PERSONAL TRAVELING PARTY**?

   _____ People

6. Was your trip a **PREPAID PACKAGE** (where two or more items such as air fare, accommodations, car rental, meals, and/or etc., were prepaid together as a package)? (Please "X" one box only)

   [ ] Yes - - - > If yes, please answer question 7.

   [ ] No - - - > If no, please answer question 8.

7. What was the **TOTAL AMOUNT** spent for this **PREPAID PACKAGE** or **TOUR** for your **PERSONAL TRAVELING PARTY**? (Please write in)

   Approximate total amount spent in US currency $ _____

   HOW MANY PEOPLE, including yourself, did these expenses relate to?

   _____ People

8. If you **DID NOT HAVE A PREPAID PACKAGE, OR IF ONLY PART OF YOUR COSTS WERE COVERED BY A PREPAID PACKAGE**, please indicate the **TOTAL AMOUNT SPENT** on this visit to Dominica by **YOUR PERSONAL TRAVELING PARTY.**

   Approximate total amount spent in US currency $ _____

   HOW MANY PEOPLE, including yourself, did these expenses relate to?

   _____ People

TOURIST SERVICES

Compared to other places you have visited, how would you **RATE** this trip for each of **THE ITEMS** listed below? Please circle one number that best describes your feelings about each item (on Dominica).

	Much Better	Good	The Same	Not So Good	Much Worse	Don't Know/Not Applicable
Rooms in hotels	5	4	3	2	1	N/A
Food in hotels	5	4	3	2	1	N/A
Service in hotels	5	4	3	2	1	N/A
Food in restaurants	5	4	3	2	1	N/A
Service in restaurants	5	4	3	2	1	N/A
Shops and stores	5	4	3	2	1	N/A
Attitude of people	5	4	3	2	1	N/A
Sightseeing	5	4	3	2	1	N/A
Nightlife	5	4	3	2	1	N/A
Sports facilities	5	4	3	2	1	N/A
Personal safety	5	4	3	2	1	N/A
Concern for personal health	5	4	3	2	1	N/A
Value for the money in hotels	5	4	3	2	1	N/A
Overall value for the money	5	4	3	2	1	
Other(s), _____	5	4	3	2	1	
Please Specify _____						

NEXT, TELL US WHAT KINDS OF TOURIST ACTIVITIES YOU PREFERRED AND WHICH ONES YOU THOUGHT WERE MOST IMPORTANT.

Here is a list of potential tourist activities on Dominica. What activities did you participate in while visiting Dominica? Please "X" as many activity boxes that apply and indicate how important each of these activities were in your choice of Dominica as a travel destination. Then rank the five activity clusters that you enjoyed the most; where "1" was the very most enjoyable, "2" the second most enjoyable, and etc., until you have ranked the five activity clusters.

Please Circle One Number

Check as many activities as apply	**Extremely Important**							**Moderately Important**	**Not at all Important**
[ ] Windsurfing and/or Sunfish Sailing	9	8	7	6	5	4	3	2	1
[ ] Jet Ski Riding and/or Water-skiing	9	8	7	6	5	4	3	2	1
[ ] Parasailing	9	8	7	6	5	4	3	2	1
[ ] Canoeing and/or Kayaking	9	8	7	6	5	4	3	2	1
[ ] Surf Fishing	9	8	7	6	5	4	3	2	1

I would rank this Activity Cluster _____ (1 - 5)

[ ] SCUBA Diving	9	8	7	6	5	4	3	2	1
[ ] Snorkeling	9	8	7	6	5	4	3	2	1
[ ] Pool Swimming, Hot Tubs, Sunbathing at Pool	9	8	7	6	5	4	3	2	1
[ ] Beach Activities such as Swimming, Sunbathing, Shelling, Walking	9	8	7	6	5	4	3	2	1

I would rank this Activity Cluster _____ (1 - 5)

[ ] Day or Evening Cruise Boat Trip - Sailboat	9	8	7	6	5	4	3	2	1
[ ] Day or Evening Cruise Boat Trip - Powerboat	9	8	7	6	5	4	3	2	1
[ ] Glass-bottom Boat Ride	9	8	7	6	5	4	3	2	1
[ ] Deep Sea Charter Fishing	9	8	7	6	5	4	3	2	1
[ ] Sailboat Charter, Bare Boat or Provisioned	9	8	7	6	5	4	3	2	1

I would rank this Activity Cluster _____ (1 - 5)

Please Circle One Number

Check as many activities as apply	**Extremely Important**							**Moderately Important**	**Not at all Important**
[ ] Historical Site Visits	9	8	7	6	5	4	3	2	1
[ ] Concerts, Festivals	9	8	7	6	5	4	3	2	1
[ ] Cultural Site Visits	9	8	7	6	5	4	3	2	1
[ ] Duty-free Shopping	9	8	7	6	5	4	3	2	1
[ ] Evening Entertainment	9	8	7	6	5	4	3	2	1
[ ] Restaurants/Dining Out	9	8	7	6	5	4	3	2	1
[ ] Educational Activities, Seminars on Nature, etc.	9	8	7	6	5	4	3	2	1

I would rank this Activity Cluster _____ (1 - 5)

[ ] Hiking	9	8	7	6	5	4	3	2	1
[ ] Wading in Streams	9	8	7	6	5	4	3	2	1
[ ] Visiting Waterfalls	9	8	7	6	5	4	3	2	1
[ ] Visiting Hot Springs	9	8	7	6	5	4	3	2	1
[ ] Bird Watching	9	8	7	6	5	4	3	2	1
[ ] Mountain Climbing	9	8	7	6	5	4	3	2	1
[ ] Nature Study (Flora & Fauna)	9	8	7	6	5	4	3	2	1

I would rank this Activity Cluster _____ (1 - 5)

Other(s), Please Specify Activities _____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1

DOMINICA SETTING ATTRIBUTES

To what degree did each of the setting attribute items listed below add or detract from your tourist experience on Dominica? Please circle one number for each setting attribute item. If an item did not relate to your experience, please circle number "5" (neither added nor detracted).

Item	Most Strongly Added				Neither Added nor Detracted				Most Strongly Detracted
Availability of restrooms	9	8	7	6	5	4	3	2	1
Absence of regulations	9	8	7	6	5	4	3	2	1
Footbridges over water/boggy areas	9	8	7	6	5	4	3	2	1
Unclear water	9	8	7	6	5	4	3	2	1
Litter around trails, beaches	9	8	7	6	5	4	3	2	1
Others using water improperly	9	8	7	6	5	4	3	2	1
Warm weather	9	8	7	6	5	4	3	2	1
Variety of parrots	9	8	7	6	5	4	3	2	1
Industrial/commercial developments	9	8	7	6	5	4	3	2	1
Water clean enough for swimming	9	8	7	6	5	4	3	2	1
Rainforests	9	8	7	6	5	4	3	2	1
Rivers/Streams	9	8	7	6	5	4	3	2	1
Variety of birds	9	8	7	6	5	4	3	2	1
Residential developments	9	8	7	6	5	4	3	2	1
Variety of flora	9	8	7	6	5	4	3	2	1
Deeply eroded trails	9	8	7	6	5	4	3	2	1
Biting insects	9	8	7	6	5	4	3	2	1
Waterfalls	9	8	7	6	5	4	3	2	1
Parking facilities	9	8	7	6	5	4	3	2	1
Well maintained beaches	9	8	7	6	5	4	3	2	1
Poisonous snakes	9	8	7	6	5	4	3	2	1
Variety of fauna	9	8	7	6	5	4	3	2	1
Loud tourists	9	8	7	6	5	4	3	2	1
Variety of wildflowers	9	8	7	6	5	4	3	2	1
Seeing others near you	9	8	7	6	5	4	3	2	1

Item	Most Strongly Added				Neither Added nor Detracted				Most Strongly Detracted
Hikers making shortcuts	9	8	7	6	5	4	3	2	1
Enforcement of regulations	9	8	7	6	5	4	3	2	1
Places to buy food and drink	9	8	7	6	5	4	3	2	1
No crowds	9	8	7	6	5	4	3	2	1
Unobeyed regulations	9	8	7	6	5	4	3	2	1
Environment is clean/unpolluted	9	8	7	6	5	4	3	2	1
Worn vegetation around lakes/rivers	9	8	7	6	5	4	3	2	1
Evidence of soil erosion	9	8	7	6	5	4	3	2	1
Predictable weather	9	8	7	6	5	4	3	2	1
Well maintained trails free of obstacles	9	8	7	6	5	4	3	2	1
Regulations requiring hikers to pack out trash/waste	9	8	7	6	5	4	3	2	1
Police, rangers and/or safety patrols available	9	8	7	6	5	4	3	2	1
Trails with switchbacks which make it easier to climb steep grades	9	8	7	6	5	4	3	2	1
Evidence of improper disposal of human waste	9	8	7	6	5	4	3	2	1
Availability of information describing recreation use levels	9	8	7	6	5	4	3	2	1
Directional signals with mileage (km) to destinations	9	8	7	6	5	4	3	2	1
Domestic livestock grazing an area you hiked through	9	8	7	6	5	4	3	2	1
Availability of information describing recreational activity opportunities	9	8	7	6	5	4	3	2	1
Other setting attribute(s)? Please specify _____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1

REASONS TOURISTS VISIT DOMINICA

To what degree did each of the items listed below add or detract from your reason to visit Dominica? Please circle one number for each item. If an item did not relate to your reason to visit Dominica, please circle number "5" (neither added nor detracted).

Item	Most Strongly Added				Neither Added nor Detracted				Most Strongly Detracted
To develop my knowledge	9	8	7	6	5	4	3	2	1
To challenge nature	9	8	7	6	5	4	3	2	1
To meet friendly people	9	8	7	6	5	4	3	2	1
To learn about the country	9	8	7	6	5	4	3	2	1
To feel independent	9	8	7	6	5	4	3	2	1
To study nature	9	8	7	6	5	4	3	2	1
To feel close to nature	9	8	7	6	5	4	3	2	1
To find quiet places	9	8	7	6	5	4	3	2	1
To do sort of an impressive thing	9	8	7	6	5	4	3	2	1
To be with my (our) friends/family	9	8	7	6	5	4	3	2	1
To release/relieve tension	9	8	7	6	5	4	3	2	1
To be away from other people	9	8	7	6	5	4	3	2	1
To feel free from society's restrictions	9	8	7	6	5	4	3	2	1
To take photos to show back home	9	8	7	6	5	4	3	2	1
To get away from the everyday routine of like	9	8	7	6	5	4	3	2	1
To enjoy the sight, sounds and smells of nature	9	8	7	6	5	4	3	2	1
To get better at it, to develop my skills	9	8	7	6	5	4	3	2	1
To understand the natural world better	9	8	7	6	5	4	3	2	1
To do things on my (our) own	9	8	7	6	5	4	3	2	1
To be away from the crowds	9	8	7	6	5	4	3	2	1
To observe the beauty of nature	9	8	7	6	5	4	3	2	1
To tell others about it at home	9	8	7	6	5	4	3	2	1
To do things with other people	9	8	7	6	5	4	3	2	1
To be with people with similar interests	9	8	7	6	5	4	3	2	1
To obtain a feeling of harmony with nature	9	8	7	6	5	4	3	2	1
To show others I (we) could do it	9	8	7	6	5	4	3	2	1
To escape form the pressures of work	9	8	7	6	5	4	3	2	1
To feel free from American society's restrictions	9	8	7	6	5	4	3	2	1
Other reason(s)? Please specify _____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1
_____	9	8	7	6	5	4	3	2	1

VISITOR SOCIODEMOGRAPHIC INFORMATION

The following sociodemographic information will help us to develop the profile of survey respondents and to understand the responses in the other sections. If you feel uncomfortable answering a particular question, skip to the next one. All information is anonymous and confidential.

1. What is your **AGE?** AGE _____

2. What is your **GENDER** (Circle one) FEMALE MALE

3. Which best describes **YOUR HIGHEST LEVEL** of **EDUCATION** obtained? (Circle one)

   1 Grade School
   2 Some High School
   3 High School Diploma
   4 Technical School
   5 Some College
   6 Associate Degree
   7 Bachelors Degree
   8 Masters Degree
   9 Doctorate Degree

4. Please **CIRCLE ALL** those **WHICH APPLY** to yourself:

1 Employed full-time
2 Employed part-time
3 Volunteer work
4 Unemployed
5 Student
6 Retired
7 Homemaker
8 Disabled

5. What was the approximate **TOTAL INCOME** of your **HOUSEHOLD** before taxes last year (1992), in US dollars? (Circle one)

1 Less than $15,000
2 $15,000 to $29,999
3 $30,000 to $44,999
4 $45,000 to $59,999
5 $60,000 to $74,999
6 $75,000 to $89,999
7 $90,000 to $104,999
8 105,000 to $119,999
9 120,000 and over

6. Which of the following best describes **YOUR STAND ON POLITICAL ISSUES?** (Circle one)

1 Liberal
2 Moderate-to-liberal
3 Moderate
4 Moderate-to-conservative
5 Conservative
6 Don't know

7. What is **YOUR POLITICAL PREFERENCE**? (Circle one)

1 Democrat
2 Republican
3 Independent
4 Other (specify _____
5 Don't know

8. To what **RACE** or **ETHNIC GROUP** do you belong? (Circle one)

1 American Indian or Alaskan Native
2 Asian or Pacific Islander
3 African American, not of Hispanic origin
4 Hispanic
5 White, not of Hispanic origin
6 Other (Please specify _____

9. In general, compared to other persons your age would you say **YOUR HEALTH** is ... (Circle one number)

Excellent Fair Poor

1 2 3 4 5 6 7

10. In general, compared to other persons your age would you say **YOUR HAPPINESS** is ... (Circle one number)

Very Happy Pretty Happy Not Too Happy

1 2 3 4 5 6 7

11. Which of the following best describes **YOUR CURRENT LIVING ARRANGEMENTS?** (Circle one)

1 Single without dependent children or other relatives
2 Single with dependent children or other relatives
3 Couple without dependent children or other relatives
4 Couple with dependent children or other relatives
5 Other (Please specify) _____

12. What did you **LIKE MOST** about your trip to Dominica?

13. What did you **LIKE LEAST** about your trip to Dominica?

14. What **OTHER COMMENTS**, if any, would you like to make about your visit to Dominica?

Thank you for taking the time to participate in the survey.

To return the questionnaire, please fold the back page in half and secure the open side with the enclosed sticker.

No postage is needed. Just drop the questionnaire in any convenient **United States of America** mailbox.

Alan J. Case
223-07 (1001)

NO POSTAGE
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RECREATION RESEARCH
THE PENNSYLVANIA STATE UNIVERSITY
203 HENDERSON BUILDING SOUTH
UNIVERSITY PARK PA 16802-9976

DOMINICA

Statute Miles

1 0 1 2 3 4 5

REFERENCE

Motor Roads

Tracks

Parish Boundaries

Heights in Feet

MOUNT JOY

ROSEAU

Capuchin or Cape Melvill

Pt Jaquet

Vieille Case

Morne Audiable 2917

Prince Rupert Bluff

West Cabrit

Portsmouth

Prince Rupert Bay

Hampstead

Crompton Pt

Pt Ronde or Rollo Head

Morne Espagnol (Barbers Block) 2

Petit Marigot

Pagoua Bay

Morne Diablotin 4747

Coulihaut

Salybia

Jenny Pt

Bataly

Bassinville

Castle Bruce

Riviere Ladore

St Joseph

Hillsborough

Leper Home

Souffriere Bay

4872 Morne Trois Pitons

Rosalie Bay

3281 Micotrin

Sylvania

Pringles Bay

Laudat or Queens R.

Canefield

Morne Daniel

La Plaine

4675 Morne Watt

Belvidere

Morne Bruce

Pt Mulatre

Loubiere

Pt Michel

Petite Savanne

Geneva

Grand Bay

Carib Pt

Souffriere Bay

Scotts head

SAINT PETER DOUCET

SAINT JOSEPH

SAINT PAUL

SAINT LUKE

SAINT MARK

SAINT ANDREW

SAINT DAVID

SAINT GEORGE

SAINT PATRICK

Cabrits good for dry-wets

Trip with Charles Pierre - Great field entomologist!

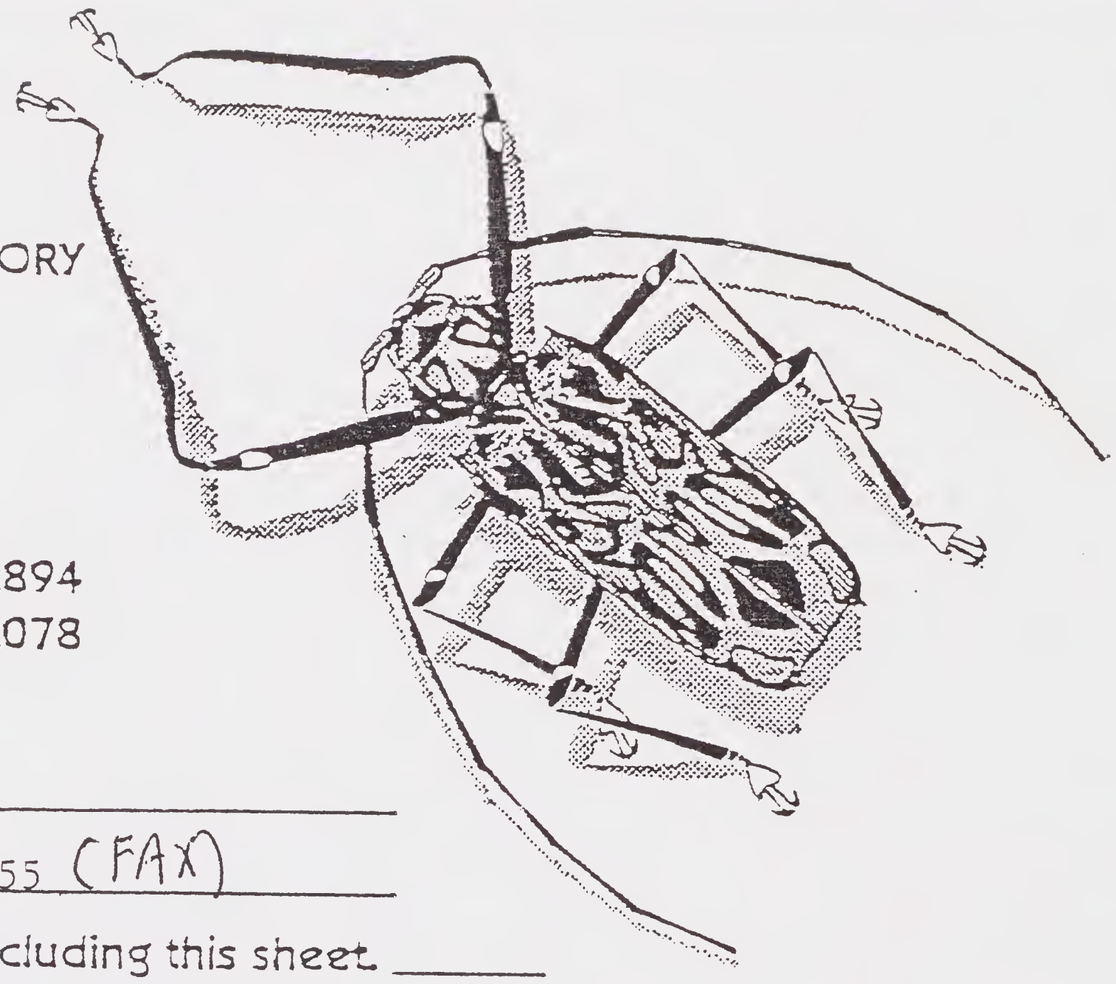
Neotettix nasuti-ferus, get Permissn at Springfield

go up road above Mills about several kinds also permitted

FAX

DEPARTMENT OF ENTOMOLOGY
NATIONAL MUSEUM OF NATURAL HISTORY
SMITHSONIAN INSTITUTION
MAIL STOP 105
10TH & CONSTITUTION AVE., NW
WASHINGTON, D.C. 20560

Entomology FAX Number: 202-786-2894
To Confirm Receipt of FAX: 202-357-2078



DATE: August 6, 1993

FROM: Margaret S. Collins

TO: Mr. Atherton Martin 809-4483855 (FAX)

Total Number of pages being faxed, including this sheet. _____

~~Estimated Time Fax Sent:~~ → P.O. Box 109, Roseau
Commonwealth of Dominica, East Caribbean

INSTRUCTIONS OR COMMENTS (If any): Tel.; 809 44-84098

Dear Mr. Martin :

Please accept this preliminary report on the termite fauna of Dominica. It has a very diverse fauna for an island of its size, a tribute to the surviving forests and high rainfall.

We are becoming increasingly aware of the vital role termites play in the maintenance of biodiversity in ecosystems, especially tropical forests, grasslands, and even some deserts or semi-deserts. Termites aerate the soil, help water percolate into deeper levels, alter soil structure, fix nitrogen and thus add to soil fertility. Microoragnisms in dry-wood termites can fix atmospheric nitrogen and the termites use it in growth and energy-release processes through an alternate pathway that does not increase the methane burden in the atmosphere ! Recycling the resistant cellulose that forms the walls of plant cells, however, is the prime and indispensible activity of termites, and makes growth of other vegetation possible.

The termites so far found on Dominica : ("S" = reported in 1956 by Snyder)
(5)

Neotermes castaneus- a large Kalotermitid that lives in moist dead or living wood, sometimes damaging citrus, avocado, nut trees and ornamental shrubs such as oleander ; common in woods above Springfield; in many of the Caribbean Islands and in extreme south Florida

Cryptotermes brevis (S)-a termite found only in houses or other buildings, found around the worlds tropics, never in the field; especially destructive to plywood

Heterotermes tenuis (S)- a small subterranean termite that may come into

buildings, causing much damage throughout the Neotropics; a genus that is very variable and in need of careful study for accurate species diagnoses

Nasutitermes costalis - the termite that builds large, dark-brown carton nests on trees, with conspicuous dark covered runways leading to foraging sites; may frequently enter buildings when food supplies outside are reduced, causing damage

In addition to these "pest" species reported by Snyder, Dominica has an amazingly rich array of dry-wood termites, vital to ecosystem functioning and vulnerable to extinction if habitat destruction occurs; reported from Dominica for the first time, as follows :

Incisitermes nr. incisus - a very large kalotermitid living in sound dead wood in forests near the Cabrits and around Souffriere

Incisitermes snyderi - an ecologically-versatile, very successful dry-wood termite found on most of the Caribbean islands

Incisitermes sp.(?)- another large dry-wood termite, possibly a new species

Rugitermes sp.- a genus of termites found previously only in northern South American, Central America and some of the Pacific islands

Glyptotermes prob. pubescens - a dry-wood termite whose soldiers have stopper-shaped heads that close off chambers in the wood against ant attack

Nasutitermes ephratae - a carton-nest building termite ("duck ant") that lives in the area devoted to Bay Oil production, beside the road from Portsmouth; the nest has a smoother surface that the nest of N. costalis .

Since I was unable to collect in the cactus-growing areas, in the well-developed forest areas near La Plaine, and in some of the areas used for agriculture production, I am sure that I missed many species. At any rate, this is a rich and diverse termite fauna. It shows exciting relationships with the fauna of Guyana and other northern South American countries. A proper appraisal of the biodiversity exhibited by the termites of Dominica will require systematic sampling, preferably with the aid of a competent botanist. It is an important fauna, well worth preserving.

Thank you for the many courtesies I enjoyed through you; I hope to write individual friends as work pressures let up.

Please call Charles Pierre and give him my greetings, that was an excellent field trip. Also, please tell Phillip Atkinson out at Springfield that Don Davis says that the damage on the sample bay leaves is the work of some insect other than a Lepidopteran leaf-miner, maybe a beetle. Keep a watch, and collect further stages in alcohol.

A detailed account will follow after comparisons with sufficient museum material.

Good wishes for success in your ventures,

Sincerely,

Margaret S. Collins

His number: 82131

Title: Entomologist

Office: Division of Agriculture
Botanic Gardens
Roseau

Try to touch bases with Arlington James before going into the Cabrits

Pacific Southwest Research Station

Chemical Ecology of Forest Insects

Fax Transmission Sheet

800 Buchanan Street
Albany, CA 94710
(510) 559-6300

Mailing address:
P.O. Box 245
Berkeley, CA 94701

Date: 12/11/93

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Total number of pages (including transmission sheet): 2

Deliver to: Dr. Margaret S. Collins

Dept:

Phone: (202) 722-0729

From: Steve Seybold

Dept: Insect Chemical Ecology

Phone: (510) 559-6477 or (702) 784-4985

FAX number: (510) 559-6499

Message:

December 11, 1993

Dr. Margaret S. Collins
1642 Primrose RD NW
Washington, D.C. 20012

Dear Dr. Collins:

I regret to inform you that my wife and I have had to postpone our trip to Dominica at the last minute. I am trying to reschedule it for February. Unless instructed otherwise by you, I will retain the information that you sent me to deliver to Papillote in hopes of taking it in February. On Monday I will also contact the person whose number you gave me in your fax of last month (I have left that fax at the University of Nevada where I work in the biochemistry department). I want to let him know of our change of plans.

Thank you for your help with the arrangements. I still am looking forward to making the trip!

Sincerely yours,

Steve Seybold

Steven J. Seybold

cc: M.I. Haverty

DOMINICA CONSERVATION ASSOCIATION

PROPOSAL:
ENVIRONMENTAL INFORMATION BASE FOR DOMINICA

COMMONWEALTH OF DOMINICA
1993

DOMINICA CONSERVATION ASSOCIATION

PROJECT PROFILE

PROJECT NUMBER:		DCA/03B
PRIORITY AREA:		Conservation of Tropical Forest Ecosystems.
PROJECT TITLE:		ENVIRONMENTAL INFORMATION BASE FOR DOMINICA. (EIBD)
LOCATION OF RESEARCH:		COMMONWEALTH OF DOMINICA, EAST CARIBBEAN.
DURATION:		5 Years.
ENDORSERS:		Mr. Felix Gregoire, Director, Department of Forestry & Wildlife, Comm. of Dominica. Mr. Dave Williams, Superintendent, National Parks.
BENEFICIARIES:		Conservation Association, Forestry Division, Tourism Board, Archbold Tropical Research Centre, other Non-Government Organisations, Schools, other Institutions of Learning, and the general public.
COST OF PROJECT:	PART 1	177,755
	PART 2	162,285
	PART 3	162,284
		502,324
LOCAL CONTRIBUTION (APPROX 10%)		50,324
AMOUNT REQUESTED:		US$ 452,000
IMPLEMENTING AGENCY:		DOMINICA CONSERVATION ASSOCIATION.
CONTACT PERSONS:		ATHERTON MARTIN, PRESIDENT, DOMINICA CONSERVATION ASSOCIATION; MONA GEORGE-DILL, PROGRAMME COORDINATOR, DOMINICA CONSERVATION ASSOCIATION, P O BOX 109, ROSEAU, COMMONWEALTH OF DOMINICA, EAST CARIBBEAN. TEL: 809-44-84098 FAX: 809-44-83855

EXECUTIVE SUMMARY:

Dominica possesses a rich diversity of Tropical Ecosystems; and although enough is known at this time to attest to the biological significance of the flora and fauna of Dominica, two other points are equally clear:

i) Policy and Planning decisions are still being taken which negatively affect the environment mainly because there is inadequate information regarding the natural resource base of the island. {e.g. "..at present only one open season exists for all hunted species, and there is no limit on the number of animals that can be taken during this period. In some cases this season corresponds with a particular animal's breeding period." - *Dominica Environmental Profile. 1991.*}

ii) information on Dominica's biodiversity should be readily available to the Dominican society if the international mission to conserve the world's biological resources is to be successful in this country.

The Environmental Information Base for Dominica (EIBD) project would upgrade the environmental information available in the country by:

1) Establishing a baseline on the flora and fauna of selected sites;
2) establishing a monitoring system for these areas with special attention to high priority species;
3) developing a biological collection programme giving priority to the establishment of a herbarium and an insect collection.
4) Storing and Managing the biological resource information on a computerized system.

The Dominica Conservation association, the leading environmental non-government organization in Dominica, will implement this project with technical guidance from:

- Island Resources Foundation (IRF) - an AID-registered private voluntary organization that, since 1982, has carried out development programmes in the Eastern Caribbean;

- The Forestry Division of the Ministry of Agriculture in the Government of the Commonwealth of Dominica which has formal responsibility for Environment in Dominica;

- The Springfield Tropical Research Institute - a department of the Clemson University, U.S.A., doing botanical research in Dominica; and

- Other concerned organisations (both public and private), and individuals.

BUDGET PROJECTIONS:

ITEMS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
<u>i) Direct Costs -</u>					
a) Technical:					
1. Computer software dBASE III PLUS	400				
2. Video/Television	2,000				
3. Video Film	100	100	100	100	100
4. Herbarium supplies	1,000	1,000	1,000	1,000	1,000
5. Insect Collection & Supplies	1,000	1,000	1,000	1,000	1,000
6. Wild Life Data	1,000	1,000	1,000	1,000	1,000
7. Equipment	1,000	1,000	1,000	1,000	1,000
8. Communications	2,000	1,000	1,000	1.000	1,000
9. Training material	800	800	800	800	800
10.Display cases	1,000	1,000	1,000	1,000	1,000
11.4WD vehicle	30,000	-	-	-	-
12.Vehicle Maintenance, Insurance etc.	4,600	4,800	5,600	5,500	6,000
13.Aerial Photos	1,640	-	-	-	-
14.Reporting	1,000	1,000	1,000	1,000	2,000
Total Technical:	47,540	12,400	13,420	13,400	14,900
b) Personnel:					
15.(3) Consultants	3,000	3,000	3,000	3,000	3,000
16.Return Air Travel	2,000	2,000	2,000	2,000	2,000
17.Accommodation	3,600	3,600	3,600	3,600	3,600
18.Resource Consultant Project Coordinator /Field Naturalist	25,000	25,000	25,000	25,000	25,000
19.(2) Field Assistants	30,000	30,000	30,000	30,000	30,000
20.(3) Interns	2,500	2,500	2,500	2,500	2,500
Total Personnel:	66,100	66,100	66,100	66,100	66,100
Sub-Total: (i) Direct Costs:	113,640	78,800	79,520	79,500	81,000
<u>ii) Indirect Costs -</u>					
Administrative: 15% of direct cost:	17,046	11,820	11,952	11,925	12,150
<u>(iii) Sub-Total</u> (i) & (ii) Direct & Indirect Costs:	130,686	90,620	91,472	91,425	93,150
<u>(iv) Contingencies:</u> 1% of (iii) above:	1,306	906	914	914	931
TOTAL:	131,992	91,526	92,386	92,339	94,081

<u>GRAND TOTAL: US$502,324</u>

<u>AMOUNT REQUESTED: US$452,000</u>

NOTES ON BUDGET:

1) Purchasing software, Programming Computer, and Training.

2) & 3) Video/Television/Film to form Part of the information Storage & Display system.

4) Data Collection, Interpretation, Collation, Storage & Display of samples of Dominica's Flora from selected sites.

5) Collection, Interpretation, Storage & Display samples of Dominica's insects.

6) Data Collection, Photograph, Interpretation, collation & Display of Selected wild life.

7) Equipment: Office & Technical

8) Field Communication System, Faxes, Telephone etc.

9) Training of Field Assistants and Interns

10) Airtight Storage/Display cases, canisters etc.

11) Vehicle suitable for negotiating the hinterland region to be available to project personnel. Present prices range from $25-40,000, with what appears to be a price increase at every shipment.

12)

Insurance		approx.	$2,000/first year
Basic upkeep	200/monthx12	= 2,400	(e.g.Petrol $2.45 gal.)
Registration		200	

Insurance may decline by 10% per annum e.g. $1,800/2nd year, but maintenance costs will come into effect

e.g. 4 quarterly checks @ $150	600
Upkeep	2,400
3rd Year - Add New set of Tires @ $130 each	520

4th & 5th Years increase in depreciation will necessitate increased upkeep & Maintenance.

13)

Plane Charter for 2 hours	800
Photographer for 3 hours	150
Editing (9 hours @ $60/hour)	540
5 Cassettes @ $15	75
License	75

14) Preparation of Monthly, Quarterly and Yearly Reports & Audits.

15) Three Consultants drawn from the Division of Forestry, Island Resources Foundation and Archbold Tropical Research Institute Consult with DCA'S Board representatives and with Project Coordinator at Technical Advisory Committee level and provide on site guidance.

16) For Consultant from Island Resources Foundation (overseas) to attend Technical Advisory Committee and other project Meetings in Dominica; and for other overseas travel requirements of the project.

17) Hotel Accommodation for visiting consultant/s.

18) The Resource Consultant could also become the Project Coordinator and save handing-over-period costs. Cost at 18) includes legal commitments (e.g. Social Security etc.).

19) & 20) Include legal commitments and ad hoc allowances (e.g. local transportation).

N.B.:

For funding convenience the project may be divided into three parts:

PART 1 - PHASES I & II - first 18 months - Preparation, Establishment of Data Entry System, Identification & Interpretation of Selected Wildlife, and Reporting: $177,755

PART 2 - PHASE III & IV (a) - 21 months - Monitoring and Reporting on Selected Wildlife at Part I above: $162,285

PART 3 - PHASE III & IV (b) - 21 months - Herbarium, Insect Collection, and Reporting: $162,284

In each instance a 10% cost of the project will be met from local contributions.

BACKGROUND INFORMATION:

Dominica (The Commonwealth of Dominica) is the largest and most northerly situated English speaking Eastern Caribbean island. It has been called the lungs of the Eastern Caribbean because of its tropical rain forests, great diversity of flora and fauna, perennial streams, rivers and waterfalls; and a ruggedness said to be comparable to the Alps of Switzerland. Pressure from its dormant volcanoes is released in the form of "bubbling beaches", warm streams, boiling geezers and the awe inspiring "Valley of Desolation". Swamps, quasi mangroves, the presence of the Atlantic Ocean sprays on its eastern borders and the that of the Caribbean Sea on its west, all contribute to the rich diversity of the ecosystem of this small island State.

PROBLEM

Although, Dominica is referred to as the "Green Giant of the Eastern Caribbean" it spans only 79,000 hectares with approx 40% which is arable because of its steep terrain. It would take just one major ill-conceived project to do irreparable damage to the ecosystem of the whole island or to its arable belt. Dominica has also been called the "Food Basket of the Eastern Caribbean". This continues to be so because its natural fertility is still able to tolerate the copious amount of imported agricultural chemicals and other inappropriate agricultural practices. But patches of erosion can be seen on hillsides all around the island and more and more changes can be seen in the quality of its agricultural produce which begs the question as to what is going wrong.

Every acre of land that is made sterile robs the country of its natural ecosystem and threatens sustained productivity of the nation. It is therefore important for Dominicans to be fully knowledgeable of the effects that their decisions and actions are having on the long term fertility and ecology of Dominica - and by natural extension - to the Caribbean and to the World.

Criterion for assessing proposals that impact on biodivisity should involve consideration of threats to the natural resources. Coastal and other wetlands are particularly at risk. These areas are essential habitats for not only resident and migratory shore birds but also many of the islands' protein resources.

The uncertain future of the Banana industry presents a case for rapid transition to an economy principally based on tourism, and although the livelihood base, orientation, and culture of the people are rooted in the natural resource of Dominica, policy decisions and land use patterns sometimes disregard this dependency when the prospect for an "important" project presents itself.

There is a recent case where almost carte blanche approval was given to a hotel complex which was designed along unprecedented lines, with little regard for possible adverse environmental or social impact.

Spasmodic and restricted research on the flora & fauna of Dominica has in the past been undertaken primarily for purposes other than the national agenda, so that even today the nation lacks crucial information necessary to manage its wildlife and their habitat.

Section 2.2.3 of the **Dominica Environmental Profile - 1991* states that "Habitat reduction and alteration are the direct results of problems associated with agricultural expansion and deforestation." and that "Additional research (e.g. distribution and habitat studies) needs to be undertaken for wildlife, with priority given to those that are endemic, locally or internationally endangered, or threatened migratory species, or those species that are legally hunted. Population monitoring should be undertaken for critical species.."

Legislation is in place which has the objective of protecting the national wildlife but falls short because of inadequate information on the various species which it seeks to protect. The end product is that the law may well be legalizing the extermination of some species. Page 64 of the *Dominica Environmental Profile* quotes the Director of Forestry and Wildlife as saying that little is known about the carrying capacity of certain species for hunting; and that more data, (as well as greater enforcement capability), are required before different hunting seasons, bag limits, and other management systems could be practically established and subsequently enforced.

PROJECT GOAL AND OBJECTIVES

The proposed activities to be undertaken with EIBD funds would allow the Dominica Conservation Association to act as a leader and as a catalyst in the development of a strategy to conserve the biodiversity of Dominica. The proposed biodiversity program would consist of four basic components, which are listed below and discussed in more detail in the "Methods" section:

1) Establishing a baseline on the flora and fauna of selected sites;
2) Establishing a monitoring system for these areas with special attention to high priority species;
3) Developing a biological collection programme giving priority to the establishment of:
    a) a herbarium and
    b) an insect collection.

Selected Sites and Priority Species referred to at 1. above are:

* **The Syndicate area**, home to the two endemic and endangered parrot species - the Amazona Imperialis ("Sisserou"), and the red necked ("Jacko") Amazona Arausiaca. Based on field work done between 1982-87 (Evans, 1988) estimated that the total population for these endangered species reached levels as low as about 60 Sisserous and 200 Jackos. However, by 1990 both species showed signs of recovery; but that analysis is still incomplete.

  Government is under pressure from orange farmers bordering the reserve to lift the ban on the killing of the Jackos in particular, as these birds have developed a taste for oranges. The Government does not have the necessary data to take an informed position on the matter and so may have to bow to the wishes of the farmers.

  Several internationally led efforts have focused on the parrots, but regular monitoring is needed to strengthen and sustain the national public awareness campaign for their protection.

* **The Boa Constrictor Population in the Cold Soufriere area.** Popular belief is that the boa prefers warmer areas, so the fact that this cavalage (harem) of snakes is located in a cold area has intrigued local environmentalists, but no research has been carried out on this phenomenon so far.

  There is speculation also that the Boa Constrictor in Dominica might be a candidate for the endangered species list.

* **The Crapaud** ("Mountain Chicken"), a large amphibian found along the West Coast at low to mid elevations; and the Iguana, a regional endemic reduced in numbers on all the islands where it remains. Both are hunted for protein. A combination of over-harvesting and habitat modification is quite likely responsible for the decline in both species.

* **Data base and comparative analyses of the Fresh Water and the Boeri Lakes.** Studies of these important fresh water ecosystems, valuable in their own right, are especially timely in the face of the recent disturbances associated with the hydroelectric project that has impacted on three major natural attractions - the Ti-Tou Gorge, the Trafalgar Falls, and the Lakes Region.

* **L'llet** - an islet off the southeast coast of Dominica, and part of the mainland opposite the islet. L'llet - one of the biologically richest areas of Dominica - is home to many marine birds, land crabs, snakes and snails. The rugged mainland coast opposite L'llet hosts what seems to be Dominica's largest bat population.

METHOD:

TECHNICAL ADVISERS:

The Division of Forestry and Wildlife (DFW):
DFW is responsible for implementing legislation for the management of environmental functions in Dominica. The overall objective of this Division is to guide the development of forest resources for maximum social and economic benefit while at the same time manage the resource base so as to protect it from adverse environmental impacts.

The Division is staffed with a group of dedicated professionals who have encouraged the EIDB project and sees it as a timely supplement to their own environmental programme. Given the importance of the Forestry Division in coordinating environmental management functions of Government, it is imperative for it to be represented in any programme established for environmental protection in Dominica.

Non-Government Organisations (NGO`s):
NGO`s will be used where necessary, as it is clear that they play an integral part in any strategy that is developed to conserve biodiversity in the Caribbean. And although the Government of Dominica has began to define conservation objectives, they have many complex demands on their limited budgets which must receive higher priority than the issue of conserving biodiversity.

Island Resources Foundation (IRF):
IRF is an AID-registered private voluntary organization that, since 1972, has carried out development planning and natural resource management programmes in small tropical islands, primarily in the Eastern Caribbean. IRF has had a leading role in promoting and assisting Caribbean-wide and other international networks to address the uniquely demanding development constraints faced by small tropical islands.

The Foundation's principal office and reference library, which houses the most comprehensive collection of material on environmental and developmental issues affecting the Eastern Caribbean, is based in the U.S. Virgin Islands; and a branch office and library are maintained in Washington, D.C.

IRF brings to this proposed programme nearly two decades of continuous residence in the region designing and managing technical assistance programmes addressing environmental issues. Most recently, IRF supplied technical coordination to the Caribbean Conservation Association for the USAID funded *Country Environmental Profile Project*, which produced state-of-the-environment profiles for six Eastern Caribbean countries including Dominica.

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The ATRC was established in Dominica in 1989. It is an academic center for undergraduate and graduate courses and professional development activities. Consortium members include schools and institutions from throughout the United States and Latin America. The Center is sited on lands donated to the Clemson University (in South Carolina (USA) by John D Archbold to be used for research activities.

Other Participants:
In Dominica, there is a small environmentally dedicated constituent which seeks to change the national priority in pursuit of more "sustainable" development. Included in this group are private and public service professionals and technocrats participating in the project in their private capacity.

PROJECT TIME-FRAME:
Phase I - Six Months - Preparatory
A Resource Consultant will be put in place during the first six (6) months of the project to:

a) fine-tune the EIBD project work plan;
b) design staff training component;
c) assist in detailing job description for the project;
d) assist in identification and recruitment of project staff;
e) train project staff;
f) assist in identifying and procuring project equipment.

Phase II - One Year - Organise Data Base Storage System, Implement Data Base Research of Selected Sites and Priority Species, Secure Displayable (non-living) Collection of Selected & Protected Wildlife:

a) Data Collection
b) Data Collation
c) Data Interpretation
d) Secure Display Material
e) Prepare Display Material
f) Organise Display
g) Report Preparation
h) Report Distribution

Phase III - 3 Years - Monitor Specimens Data Based during Phase II, Implement Herbarium & Insect Collection:

a) Monitoring
b) Collecting of Flora species
c) Collecting of Insects
d) Interpretation of Collection
e) Preparation of Collection for Display
f) Determination of need for continuity beyond Phase IV

Phase IV - 6 Months - REPORTING

a) Preparation of Final Report on Project
b) Display with interpretation of Collection
c) Presentation of Findings to Government and other involved institutions
d) Distribution of Report
e) Presentation of Findings to Schools and Public in General

Information generated through the EIBD Project will be used inter alia to:

1. dialogue with Government with the aim of addressing policy-level decisions which impinge on conservation e.g.:

   i) Protection of habitats, ranges and food supplies,

   ii) guarding against excessive hunting and harvesting,

   iii) establishing further protected areas if necessary;

   iv) controlling the rate of development and the risk of over-building in areas where the carrying capacity of the natural resource is at stake:

2. bridge the environmental information gap by taking the findings to the schools and to the public in general.

3. Stimulate public participation in protection of the environment and in the selection of development which is sustainable.

The Biological Collection component will result in a permanent and interpreted display of Dominica's flora, insects, and protected & other selected wildlife under the auspices of the Dominica Conservation Association.

American
Type Culture
Collection

12301 Parklawn Drive
Rockville, MD 20852-1776
FAX 301-770-1848

FACSIMILE COVER SHEET

DATE: 4/29/93

TO: Dr. Margaret Collins
Dept of Entomology
CITY & COUNTRY: Smithsonian Institute
(Wash. DC

FAX NUMBER: (202) 786-2894

TOTAL NUMBER OF PAGES INCLUDING THIS PAGE: 1

FROM: Yvonne A

REFERENCE: EID

DOMINICA CONSERVATION ASSOCIATION

ENVIRONMENTAL INFORMATION BASE FOR DOMINCA (EIBD)
PROJECT PROPOSAL

Commonwealth of Dominica
1993

DOMINICA CONSERVATION ASSOCIATION

PROJECT PROFILE

PROJECT NUMBER:	DCA/03B
PRIORITY AREA:	Conservation of Tropical Forest Ecosystems.
PROJECT TITLE:	ENVIRONMENTAL INFORMATION BASE FOR DOMINICA. (EIBD)
LOCATION OF RESEARCH:	COMMONWEALTH OF DOMINICA, EAST CARIBBEAN.
DURATION:	5 Years.
ENDORSERS:	Mr. Felix Gregoire, Director, Department of Forestry & Wildlife, Comm. of Dominica. Mr. Dave Williams, Superintendent, National Parks.
BENEFICIARIES:	Conservation Association, Forestry Division, Tourism Board, Archbold Tropical Research Centre, other Non-Government Organisations, Schools, other Institutions of Learning, and the general public.

COST OF PROJECT:	PART 1	177,755	
	PART 2	162,285	
	PART 3	162,284	502,324
LOCAL CONTRIBUTION (APPROX 10%)			50,324
AMOUNT REQUESTED:			US$ 452,000

IMPLEMENTING AGENCY:	DOMINICA CONSERVATION ASSOCIATION.
CONTACT PERSONS:	ATHERTON MARTIN, PRESIDENT, DOMINICA CONSERVATION ASSOCIATION; MONA GEORGE-DILL, PROGRAMME COORDINATOR, DOMINICA CONSERVATION ASSOCIATION, P O BOX 109, ROSEAU, COMMONWEALTH OF DOMINICA, EAST CARIBBEAN. TEL: 809-44-84098 FAX: 809-44-83855

EXECUTIVE SUMMARY:

Dominica possesses a rich diversity of Tropical Ecosystems; and although enough is known at this time to attest to the biological significance of the flora and fauna of Dominica, two other points are equally clear:

i) Policy and Planning decisions are still being taken which negatively affect the environment mainly because there is inadequate information regarding the natural resource base of the island. {e.g. "..at present only one open season exists for all hunted species, and there is no limit on the number of animals that can be taken during this period. In some cases this season corresponds with a particular animal's breeding period." - *Dominica Environmental Profile. 1991.*}

ii) information on Dominica's biodiversity should be readily available to the Dominican society if the international mission to conserve the world's biological resources is to be successful in this country.

The Environmental Information Base for Dominica (EIBD) project would upgrade the environmental information available in the country by:

1) Establishing a baseline on the flora and fauna of selected sites;
2) establishing a monitoring system for these areas with special attention to high priority species;
3) developing a biological collection programme giving priority to the establishment of a herbarium and an insect collection.
4) Storing and Managing the biological resource information on a computerized system.

The Dominica Conservation association, the leading environmental non-government organization in Dominica, will implement this project with technical guidance from:

- Island Resources Foundation (IRF) - an AID-registered private voluntary organization that, since 1982, has carried out development programmes in the Eastern Caribbean;

- The Forestry Division of the Ministry of Agriculture in the Government of the Commonwealth of Dominica which has formal responsibility for Environment in Dominica;

- The Springfield Tropical Research Institute - a department of the Clemson University, U.S.A., doing botanical research in Dominica; and

- other concerned organisations (both public and private), and individuals.

BUDGET PROJECTIONS:

ITEMS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
i) Direct Costs -					
a) Technical:					
1. Computer software dBASE III PLUS	400				
2. Video/Television	2,000				
3. Video Film	100	100	100	100	100
4. Herbarium supplies	1,000	1,000	1,000	1,000	1,000
5. Insect Collection & Supplies	1,000	1,000	1,000	1,000	1,000
6. Wild Life Data	1,000	1,000	1,000	1,000	1,000
7. Equipment	1,000	1,000	1,000	1,000	1,000
8. Communications	2,000	1,000	1,000	1.000	1,000
9. Training material	800	800	800	800	800
10.Display cases	1,000	1,000	1,000	1,000	1,000
11.4WD vehicle	30,000	-	-	-	-
12.Vehicle Maintenance, Insurance etc.	4,600	4,800	5,600	5,500	6,000
13.Aerial Photos	1,640	-	-	-	-
14.Reporting	1,000	1,000	1,000	1,000	2,000
Total Technical:	47,540	12,400	13,420	13,400	14,900
b) Personnel:					
15.(3) Consultants	3,000	3,000	3,000	3,000	3,000
16.Return Air Travel	2,000	2,000	2,000	2,000	2,000
17.Accommodation	3,600	3,600	3,600	3,600	3,600
18.Resource Consultant Project Coordinator /Field Naturalist	25,000	25,000	25,000	25,000	25,000
19.(2) Field Assistants	30,000	30,000	30,000	30,000	30,000
20.(3) Interns	2,500	2,500	2,500	2,500	2,500
Total Personnel:	66,100	66,100	66,100	66,100	66,100
Sub-Total: (i) Direct Costs:	113,640	78,800	79,520	79,500	81,000
ii) Indirect Costs - Administrative: 15% of direct cost:	17,046	11,820	11,952	11,925	12,150
(iii) Sub-Total (i) & (ii) Direct & Indirect Costs:	130,686	90,620	91,472	91,425	93,150
(iv) Contingencies: 1% of (iii) above:	1,306	906	914	914	931
TOTAL:	131,992	91,526	92,386	92,339	94,081

GRAND TOTAL: US$502,324

AMOUNT REQUESTED: US$452,000

NOTES ON BUDGET:

1) Purchasing software; Programming Computer, and Training.

2) & 3) Video/Television/Film to form Part of the information Storage & Display system.

4) Data Collection, Interpretation, Collation, Storage & Display of samples of Dominica's Flora from selected sites.

5) Collection, Interpretation, Storage & Display samples of Dominica's insects.

6) Data Collection, Photograph, Interpretation, collation & Display of Selected wild life.

7) Equipment: Office & Technical

8) Field Communication System, Faxes, Telephone etc.

9) Training of Field Assistants and Interns

10) Airtight Storage/Display cases, canisters etc.

11) Vehicle suitable for negotiating the hinterland region to be available to project personnel. Present prices range from $25-40,000, with what appears to be a price increase at every shipment.

12)

Insurance		approx.	$2,000/first year	
Basic upkeep	200/monthx12	=	2,400	(e.g.Petrol $2.45 gal.)
Registration			200	

Insurance may decline by 10% per annum e.g. $1,800/2nd year, but maintenance costs will come into effect

e.g. 4 quarterly checks @ $150	600
Upkeep	2,400
3rd Year - Add New set of Tires @ $130 each	520

4th & 5th Years increase in depreciation will necessitate increased upkeep & Maintenance.

13)

Plane Charter for 2 hours	800
Photographer for 3 hours	150
Editing (9 hours @ $60/hour)	540
5 Cassettes @ $15	75
License	75

14) Preparation of Monthly, Quarterly and Yearly Reports & Audits.

15) Three Consultants drawn from the Division of Forestry, Island Resources Foundation and Archbold Tropical Research Institute Consult with DCA'S Board representatives and with Project Coordinator at Technical Advisory Committee level and provide on site guidance.

16) For Consultant from Island Resources Foundation (overseas) to attend Technical Advisory Committee and other project Meetings in Dominica; and for other overseas travel requirements of the project.

17) Hotel Accommodation for visiting consultant/s.

18) The Resource Consultant could also become the Project Coordinator and save handing-over-period costs. Cost at 18) includes legal commitments (e.g. Social Security etc.).

19) & 20) Include legal commitments and ad hoc allowances (e.g. local transportation).

N.B.:

For funding convenience the project may be divided into three parts:

PART 1 - PHASES I & II - first 18 months - Preparation, Establishment of Data Entry System, Identification & Interpretation of Selected Wildlife, and Reporting: $177,755

PART 2 - PHASE III & IV (a) - 21 months - Monitoring and Reporting on Selected Wildlife at Part I above: $162,285

PART 3 - PHASE III & IV (b) - 21 months - Herbarium, Insect Collection, and Reporting: $162,284

In each instance a 10% cost of the project will be met from local contributions.

BACKGROUND INFORMATION:

Dominica (The Commonwealth of Dominica) is the largest and most northerly situated English speaking Eastern Caribbean island. It has been called the lungs of the Eastern Caribbean because of its tropical rain forests, great diversity of flora and fauna, perennial streams, rivers and waterfalls; and a ruggedness said to be comparable to the Alps of Switzerland. Pressure from its dormant volcanoes is released in the form of "bubbling beaches", warm streams, boiling geezers and the awe inspiring "Valley of Desolation". Swamps, quasi mangroves, the presence of the Atlantic Ocean sprays on its eastern borders and the that of the Caribbean Sea on its west, all contribute to the rich diversity of the ecosystem of this small island State.

PROBLEM

Although, Dominica is referred to as the "Green Giant of the Eastern Caribbean" it spans only 79,000 hectares with approx 40% which is arable because of its steep terrain. It would take just one major ill-conceived project to do irreparable damage to the ecosystem of the whole island or to its arable belt. Dominica has also been called the "Food Basket of the Eastern Caribbean". This continues to be so because its natural fertility is still able to tolerate the copious amount of imported agricultural chemicals and other inappropriate agricultural practices. But patches of erosion can be seen on hillsides all around the island and more and more changes can be seen in the quality of its agricultural produce which begs the question as to what is going wrong.

Every acre of land that is made sterile robs the country of its natural ecosystem and threatens sustained productivity of the nation. It is therefore important for Dominicans to be fully knowledgeable of the effects that their decisions and actions are having on the long term fertility and ecology of Dominica - and by natural extension - to the Caribbean and to the World.

Criterion for assessing proposals that impact on biodivisity should involve consideration of threats to the natural resources. Coastal and other wetlands are particularly at risk. These areas are essential habitats for not only resident and migratory shore birds but also many of the islands' protein resources.

The uncertain future of the Banana industry presents a case for rapid transition to an economy principally based on tourism, and although the livelihood base, orientation, and culture of the people are rooted in the natural resource of Dominica, policy decisions and land use patterns sometimes disregard this dependency when the prospect for an "important" project presents itself.

There is a recent case where almost carte blanche approval was given to a hotel complex which was designed along unprecedented lines, with little regard for possible adverse environmental or social impact.

Spasmodic and restricted research on the flora & fauna of Dominica has in the past been undertaken primarily for purposes other than the national agenda, so that even today the nation lacks crucial information necessary to manage its wildlife and their habitat.

Section 2.2.3 of the **Dominica Environmental Profile - 1991* states that "Habitat reduction and alteration are the direct results of problems associated with agricultural expansion and deforestation." and that "Additional research (e.g. distribution and habitat studies) needs to be undertaken for wildlife, with priority given to those that are endemic, locally or internationally endangered, or threatened migratory species, or those species that are legally hunted. Population monitoring should be undertaken for critical species.."

Legislation is in place which has the objective of protecting the national wildlife but falls short because of inadequate information on the various species which it seeks to protect. The end product is that the law may well be legalizing the extermination of some species. Page 64 of the *Dominica Environmental Profile* quotes the Director of Forestry and Wildlife as saying that little is known about the carrying capacity of certain species for hunting; and that more data, (as well as greater enforcement capability), are required before different hunting seasons, bag limits, and other management systems could be practically established and subsequently enforced.

PROJECT GOAL AND OBJECTIVES

The proposed activities to be undertaken with EIBD funds would allow the Dominica Conservation Association to act as a leader and as a catalyst in the development of a strategy to conserve the biodiversity of Dominica. The proposed biodiversity program would consist of four basic components, which are listed below and discussed in more detail in the "Methods" section:

1) Establishing a baseline on the flora and fauna of selected sites;
2) Establishing a monitoring system for these areas with special attention to high priority species;
3) Developing a biological collection programme giving priority to the establishment of:
    a) a herbarium and
    b) an insect collection;
4) Storing and Managing the biological resource information on a computerized system.

Selected Sites and Priority Species referred to at 1. above are:

* **The Syndicate area,** home to the two endemic and endangered parrot species - the Amazona Imperialis ("Sisserou"), and the red necked ("Jacko") Amazona Arausiaca. Based on field work done between 1982-87 (Evans 1988) estimated that the total population for these endangered species reached levels as low as about 60 Sisserous and 200 Jackos. However, by 1990 both species showed signs of recovery; but that analysis is still incomplete.

  Government is under pressure from orange farmers bordering the reserve to lift the ban on the killing of the Jackos in particular, as these birds have developed a taste for oranges. The Government does not have the necessary data to take an informed position on the matter and so may have to bow to the wishes of the farmers.

  Several internationally led efforts have focused on the parrots, but regular monitoring is needed to strengthen and sustain the national public awareness campaign for their protection.

* **The Boa Constrictor Population in the Cold Soufriere area,** Popular belief is that the boa prefers warmer areas, so the fact that this cavalage (harem) of snakes is located in a cold area has intrigued local environmentalists, but no research has been carried out on this phenomenon so far.

  There is speculation also that the Boa Constrictor in Dominica might be a candidate for the endangered species list.

* **The Crapaud** ("Mountain Chicken"), a large amphibian found along the West Coast at low to mid elevations; and the **Iguana,** a regional endemic reduced in numbers on all the islands where it remains. Both are hunted for protein. A combination of over-harvesting and habitat modification is quite likely responsible for the decline in both species.

* **Data base and comparative analyses of the Fresh Water and the Boeri Lakes.** Studies of these important fresh water ecosystems, valuable in their own right, are especially timely in the face of the recent disturbances associated with the hydroelectric project that has impacted on three major natural attractions - the Ti-Tou Gorge, the Trafalgar Falls, and the Lakes Region.

* **L'llet** - an islet off the southeast coast of Dominica, **and part of the mainland opposite the islet.** L'llet - one of the biologically richest areas of Dominica - is home to many marine birds, land crabs, snakes and snails. The rugged mainland coast opposite L'llet hosts what seems to be [illegible]'s largest bat population.

METHOD:

TECHNICAL ADVISERS:

The Division of Forestry and Wildlife (DFW):
DFW is responsible for implementing legislation for the management of environmental functions in Dominica. The overall objective of this Division is to guide the development of forest resources for maximum social and economic benefit while at the same time manage the resource base so as to protect it from adverse environmental impacts.

The Division is staffed with a group of dedicated professionals who have encouraged the EIDB project and sees it as a timely supplement to their own environmental programme. Given the importance of the Forestry Division in coordinating environmental management functions of Government, it is imperative for it to be represented in any programme established for environmental protection in Dominica.

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Charles Pierre
Entomologist
Division of Agriculture
Botanic Gardens
Roseau.

Tel: 82131 - work -
85339 - Home.

410

Mrs. Stutt

806-6933

Cabrits Reserve has several dry-woods

Heterotermes up near staff buildings in park

In addition to the Papillotte area

Nasutitermes costalis and ephratae in woods and clearings beside this road; this was the trip I took with Charles Pierre. He's GOOD in the field !

Steep hills beside road to St. Mark have an assortment of dry-woods in the dead roots and stumps.

Neotermes and a nasute here, in woods above the Archbold station

Get permission in Springfield

Your findings should provide significant help in arriving at an accurate survey of the termites of Dominica, and these findings will be promptly shared.



United States Department of Agriculture
Forest Service
Pacific Southwest Forest and Range Experiment Station
P.O. Box 245
Berkeley, CA 94701
U.S.A.

October 11, 1993

Dr. Margaret S. Collins
1642 Primrose RD NW
Washington, D.C. 20012

Dear Dr. Collins:

I am a postdoctoral associate in Michael Haverty's research project working on the cuticular hydrocarbons and pheromones of pine bark beetles. I am writing to you to ask your advice regarding termite collecting on Dominica. Several weeks ago I mentioned to Mike that my wife and I planned to vacation on Dominica from December 15-December 29 of this year. Knowing his interest in tropical termites, I told him that I would not mind collecting termites and extracting cuticular hydrocarbons for him during a portion of our stay there.

We have reservations at two establishments on the island. During the first week, we are staying at the Fort Young Hotel and during the second week we will be at the Papillote Wilderness Retreat. Mike left me an electronic mail message that he spoke with you and you recommended the latter.

What I would like to be able to do is meet with a local biologist on the island, collect various termite species, and extract them at a research facility on the island. Then I would bring the termites and corresponding extracts back to Mike and Lori Nelson for analysis and curation. Can you help me get in contact with someone locally on Dominica so that I could collect in a sanctioned manner and have temporary access to laboratory space in a research station? Mike mentioned the Smithsonian's Archibold Field Station in his note. I would be grateful to you for any assistance that you might be able to offer. My telephone number is (510) 559-6477 and our FAX numbers at the station are (510) 559-6440 or 6499. Thank you very much.

Sincerely yours,

Steve Seybold
Steven J. Seybold

cc: M.I. Haverty

PAGE NO.

PERFORMED BY

DATE

65

Don't mess with Dave → Dennis Repus

Bobby Bowers

← Dale Grey → gun →
Ollie Flinn
Red Spilman
Don Anderson
George Stoyahek
Willis Wirtz
Jack Clark → Dean
Ed Todd →

72

Dan Nicholson

Jerry Clay

Ike

George Stoyahek
Willie Wirtz → 904
John Heppner 3723505

Dan Nicholson
Bobby

1/1/93

% Change

Dr. M. Collins

DOMINICA CONSERVATION ASSOCIATION

P O Box 109. Roseau,
COMMONWEALTH OF DOMINICA,
East Caribbean.

Tel: 809-44-84098

Fax: 809-44-83855

- -

TENTATIVE PROGRAMME
for VISIT of
Drs Margaret Collins: 4 - 13th July, 1993
& Yvonne Reid : 30th June - 13th July, 1993.

- -

ACCOMMODATION:

(With compliments) Papillote Wilderness Retreat & Nature Sanctuary, Trafalgar Falls, Commonwealth of Dominica. Tel: 809-44-82286/7 - Fax: 809-44-82285.

MEALS:

To be paid for by Drs. Collins & Reid (Basic 3 meals cost approximately US$45/person/day at Papillote).

ACTIVITIES:

Public Addresses -

Dr. Margaret Collins -

(1) The Role of Termites in Tropical Habitats. *(To professionals)* (7/13/93)

(2) Medicinal and Food Uses of Common Wild Plants. *(To DCA members & the public)* (7/15/93)

(3) Environmental Science as a Vocation *(Sisters in Solidarity Summer Camp for Fifth & Sixth Formers)* (7/7/93)

Dr. Yvonne Reid -

(1) The Ecological and Social Implications of Biogenetic Engineering. *(Medical, Security & other groups)* (7/8/93)

Meetings -

(1) His Excellency Sir Clarence Seignoret, President of the Commonwealth of Dominica - *Courtesy Call.* (7/5/93)

(2) Archbold Tropical Research Center, Springfield Planation Guest House - *Courtesy Call & Perusal.* 7/12/93)

Field Trips -

(1) To the Cabrits National Park - a fortified 18th century garrison within a 260 acre park north west of the island overlooking Douglas Bay on the Caribbean coastline.

(2) To the Carib Territory, some 3.7 thousand acres of land, home of the Carib Indians of this region; including a visit to Emerald Pool - a natural freshwater pool in the Morne Trois Pitons rainforest.

(3) To the South Coast - to visit the villages of Soufriere and Scotts Head where lies the ruins of Fort Cashacrou - another 18th Century Fort.

(4) Visits to other ecological zones of scientific importance and to areas of interest as requested - and as possible.

Burdin – Archbold-Smithsonian Expedition

1965 – 1968

all types on fauna + flora

Phillip Alexander
Springfield 1-809-449-2160
Tel-1-809-449-1401

(1) Road past Bay oil production area - look for nasutiformes ephratae and costalis (Nests differ in surface texture)
Trip with Charles Pierre - Great field entomologist!

Cabrits good for dry woods

Till above road several kinds odontermitids

Neotermes nasuti-termes

get permission at Springfield

go up road above station

DOMINICA

Statute Miles
1 0 1 2 3 4 5

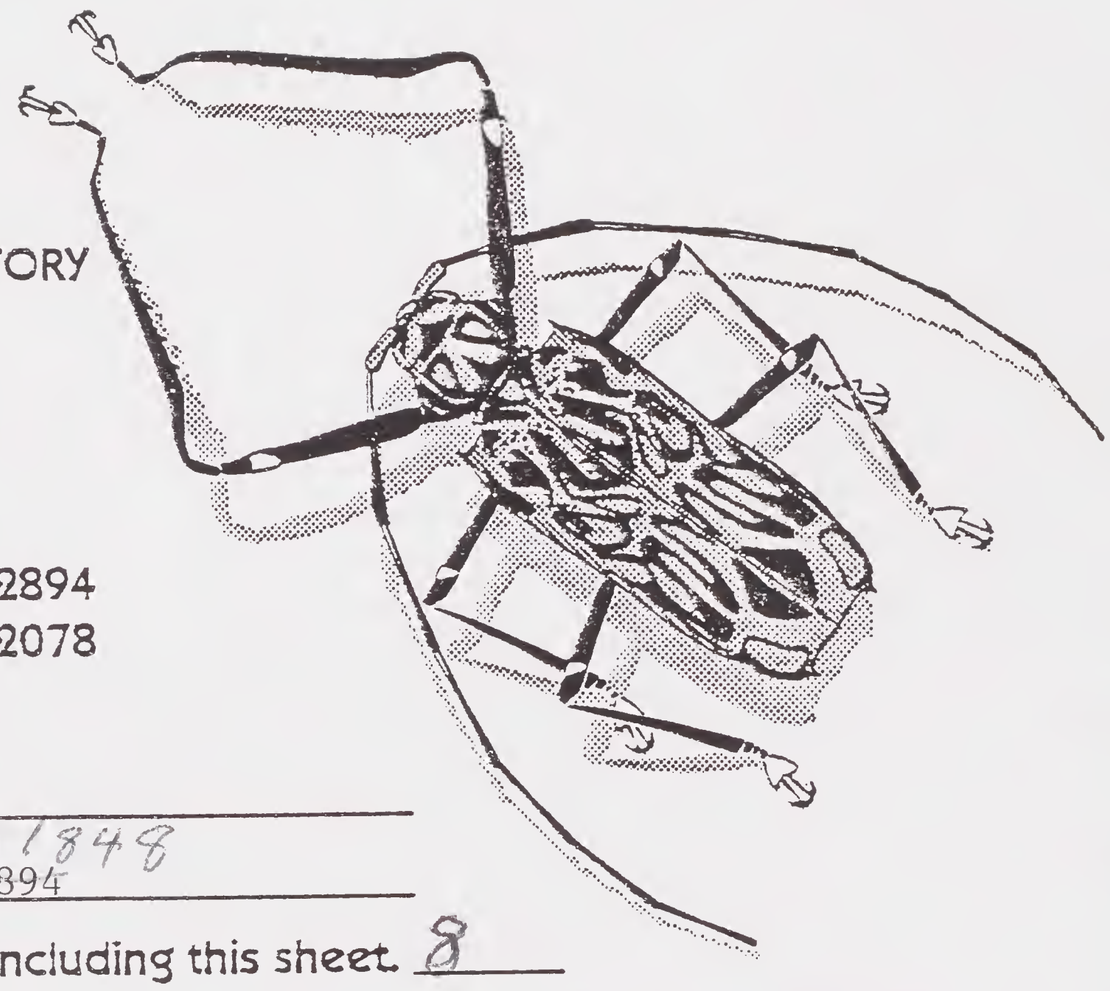
REFERENCE

Motor Roads
Tracks
Parish Boundaries
Heights in Feet

FAX

DEPARTMENT OF ENTOMOLOGY
NATIONAL MUSEUM OF NATURAL HISTORY
SMITHSONIAN INSTITUTION
MAIL STOP 105
10TH & CONSTITUTION AVE., NW
WASHINGTON, D.C. 20560

Entomology FAX Number: 202-786-2894
To Confirm Receipt of FAX: 202-357-2078



DATE: _____

FROM: Margaret S. Collins

TO: Dr. Yvonne Reid 301 : ~~786~~ 7701848 2894

Total Number of pages being faxed, including this sheet. 8

Re : Dominica Project
Suggest stressing biodiversity studies ; emphasize insects, plants (Almost complete), medicinal plants and associated knowledge

Justification for emphasis on insects : They are the most numerous, diverse and ecologically-important of the animal groups. The sheer numbers of species have occupied taxonomists for many years, yet new species are being recognized in every insect group studied, in every known insect habitat.
Knowledge of the insect fauna of Dominica is important in building our base for understanding the persisting biodiversity in Dominica and other theoretical concerns. This knowledge can have practical consequences also :

1) Pests of economically-important agricultural varieties of both plants and animals are themselves vulnerable to attack by organisms including insects. Such organisms are being increasingly employed in biological control, reducing the need for chemical pesticides that have caused so much environmental damage.

Means of achieving desired ends :
Provide assistance for collection, study trips to Dominica by specialists in important insect groups with the provision that :

- The specialist provide copies of pertinent publications for his group of interest, to be housed in a library on the island
- The specialist provide a reference collection for his insect group represented in Dominica, and provide information on the location of type specimens for the species being collected
- The specialist agree to meet at least once with community members and present an overview of his activities, the role of his organisms in the theoretical and practical concerns of the island (as far as possible !)- and questions to be addressed iurther study of the group in Dominica.

Such "Ecoseminars" could serve as a spin-off point for these topics in schools : Insect biology, identification, life history studies; and communication skills

CABRITS PROJECT

9-82401

FLORA AND FAUNA

OF THE

CABRITS PENINSULA

ARLINGTON A. JAMES

Forestry & Wildlife Division
Ministry of Agriculture

COMMONWEALTH OF DOMINICA

1985

- Bib

Partial copy

Def.

FLORA AND FAUNA of the CABRITS PENINSULA



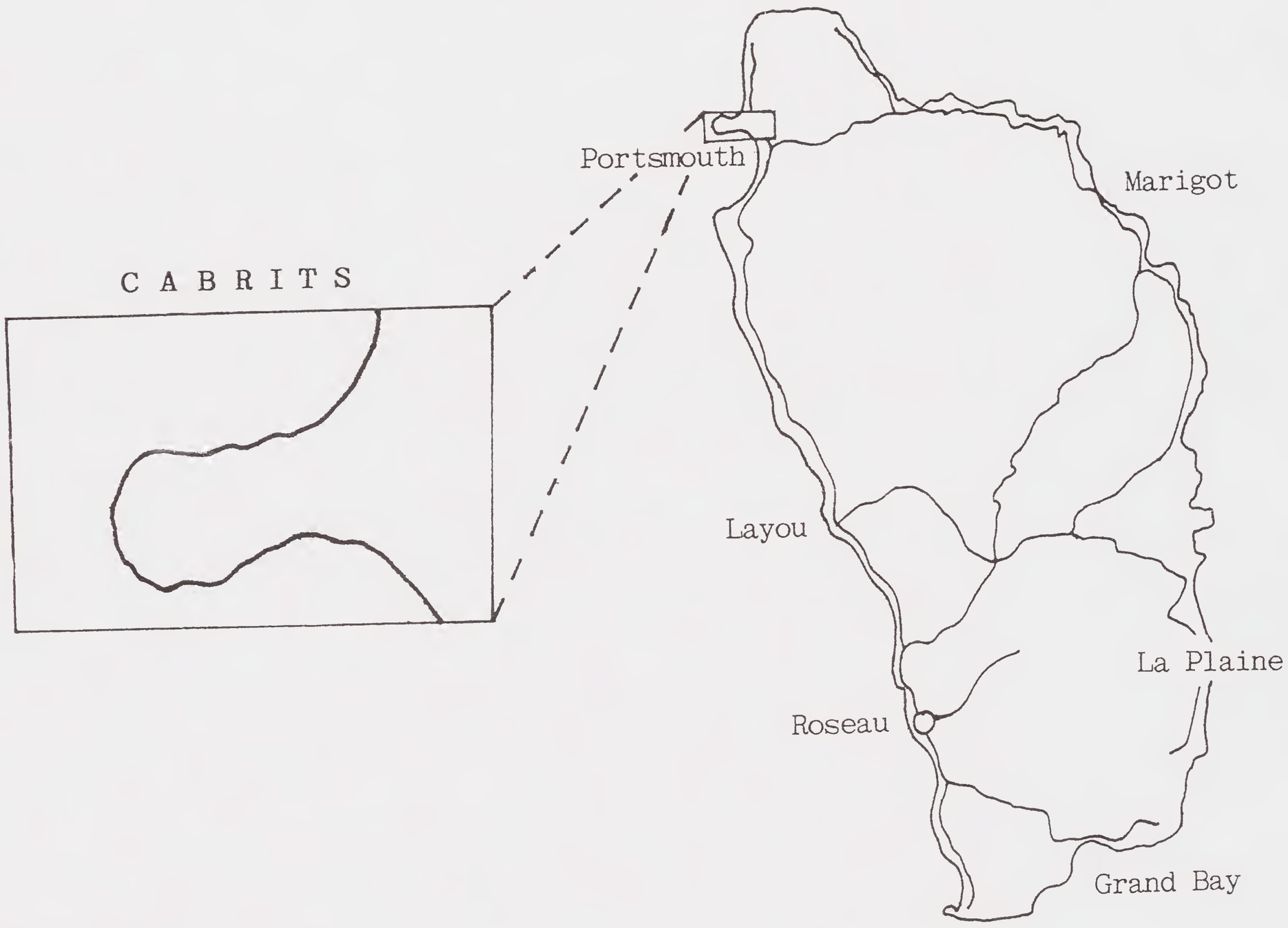
Introduction

It is well known that the Cabrits Peninsula once played a very important role in the history of the island of Dominica. Located to the north-west of the island, this peninsula comprises two thickly wooded hills which are separated from the mainland by a large marshy isthmus. The strategic location of the Cabrits was used to great advantage in the defence of this island during the period of rivalry between the French and British colonial powers.

Most of the peninsula has now been set aside for the establishment of the Cabrits National Park. The area supports two major vegetation types, both of which are determined by contrasting water regimes. The hills are covered by a dry scrub forest which is influenced by the relatively low precipitation, and the adjoining wetlands mainly consists of a marsh which is inundated for several months each year. Both of these areas support several species of animal wildlife, making the entire peninsula a living out-door museum and laboratory for the professional biologist, students and visitors.

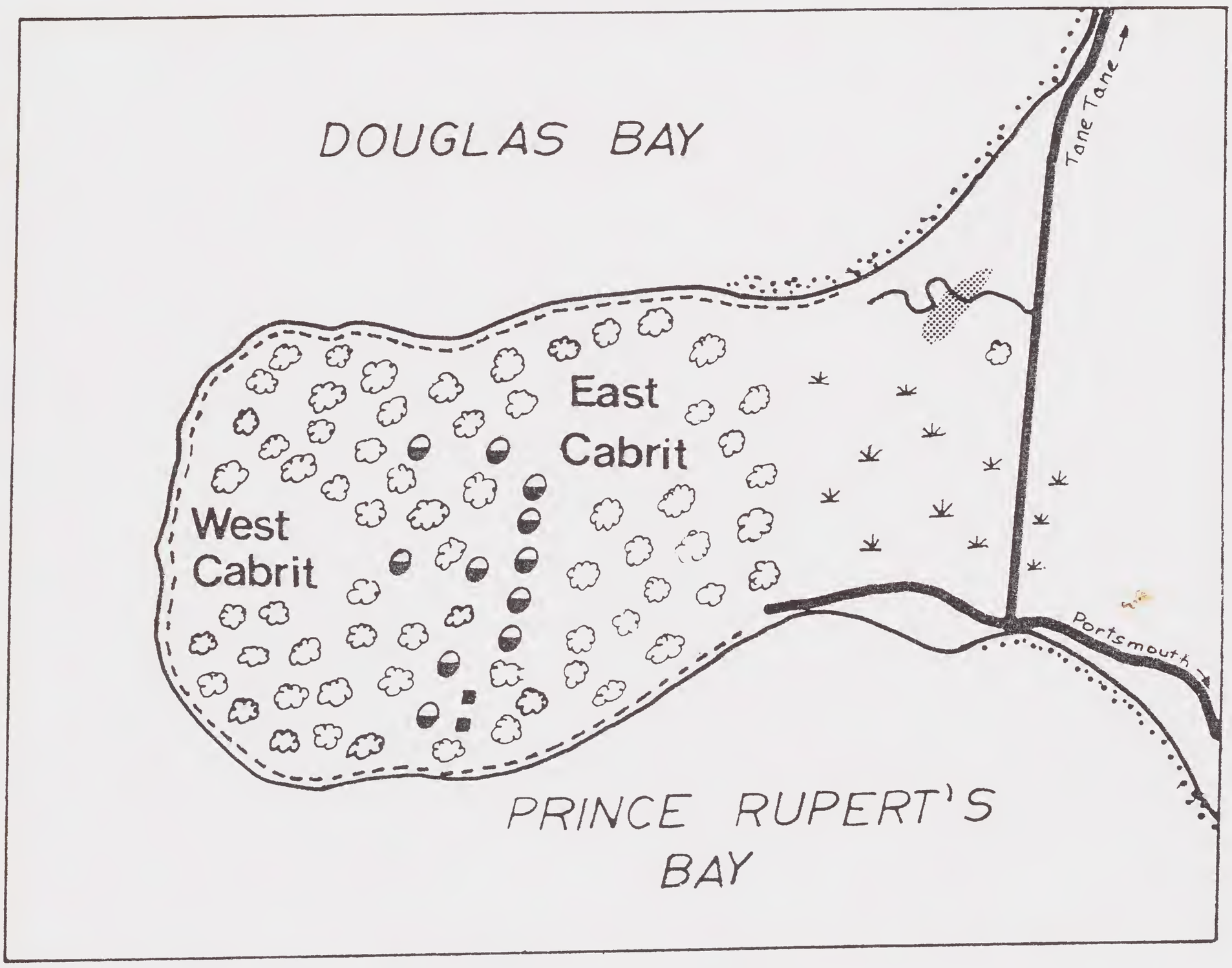
This publication has been prepared under the Cabrits Project, and draws upon previous reports and works by other authors pertaining to the flora and fauna of Dominica and the Cabrits in particular. It is hoped that the material will give students and visitors to the Cabrits National Park an insight into the richness of the flora and fauna of the peninsula, and instill a greater sense of appreciation for the numerous wild plants and animals encountered, even while on a casual tour of the peninsula.

ARLINGTON A. JAMES
FOREST OFFICER



Map of Dominica showing
location of the Cabrits.

VEGETATION ZONES OF
CABRITS PENINSULA



Marsh Lands

Dry Scrub Forest

Coastal Fringe

Sandy Beach

Freshwater Swamp Forest

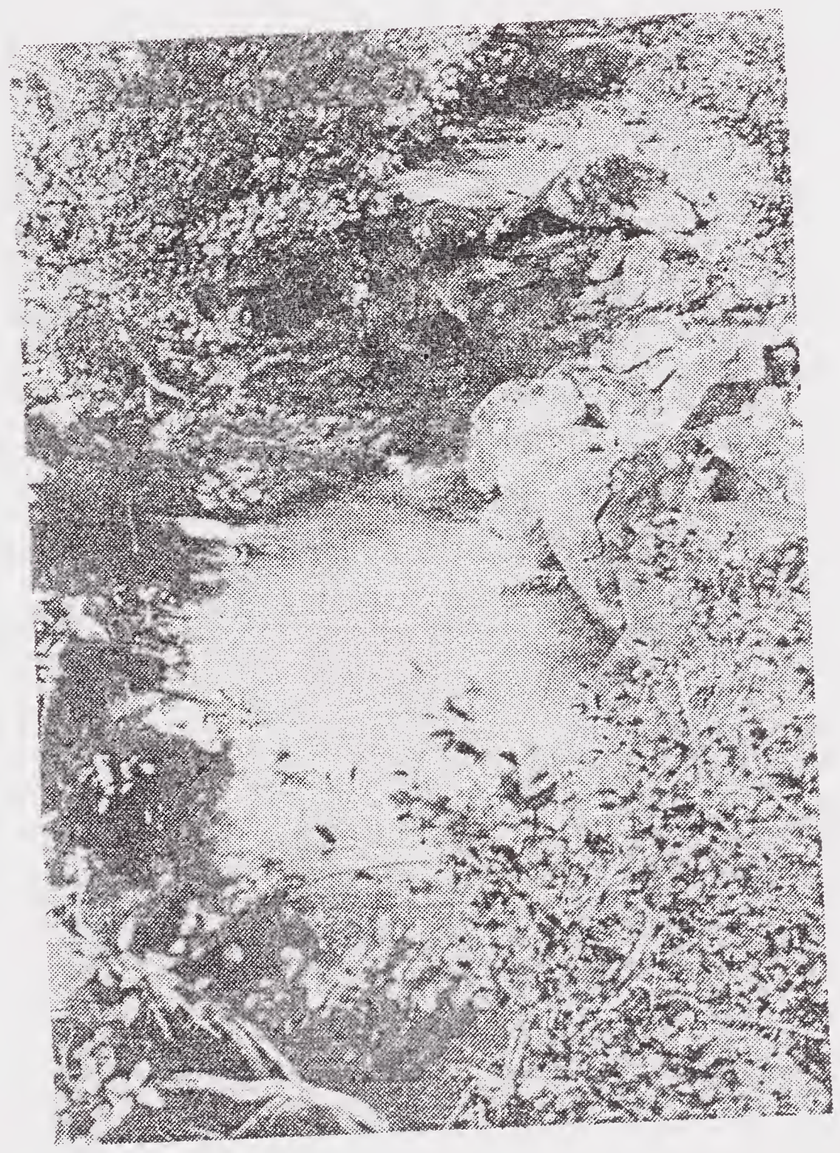
Plantations

Fort Shirley Ruins

The dry forest

The dry forest, which covers both the East and West Cabrits, is composed of a number of deciduous species which shed their leaves during the official dry season or Karem. Old maps of the Cabrits seem to indicate that at some time during the 18th and 19th Centuries most if not all of the original vegetation was cleared. However, after number of years following the abandonment of the military complex the vegetation began to return, re-establishing itself in the area. Today the vegetation is so dense that the dry forest must be cut back in order to expose the magnificent ruins scattered in the valley and on the hills.

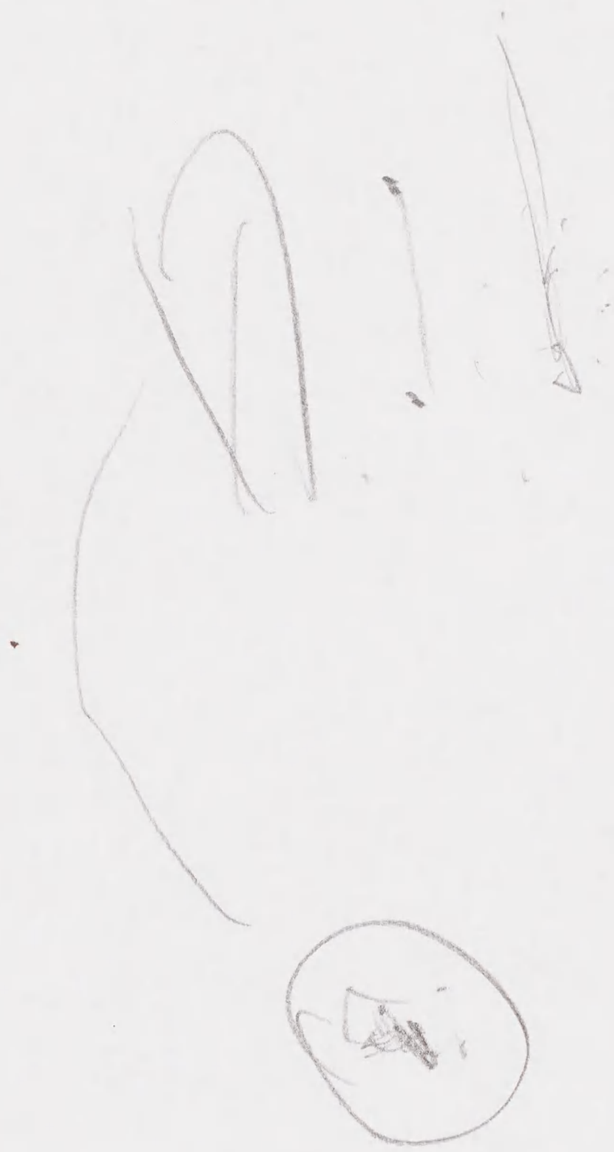
The trees in this forest type usually attain a height of about 50-60 feet, are generally unbuttressed, and support few epiphytes. These trees form a fairly regular canopy, allowing only a minimum amount of sunlight to reach the forest floor, except during the dry season. As such, the ground beneath this closed forest is usually bare of young seedlings or other low level plants.



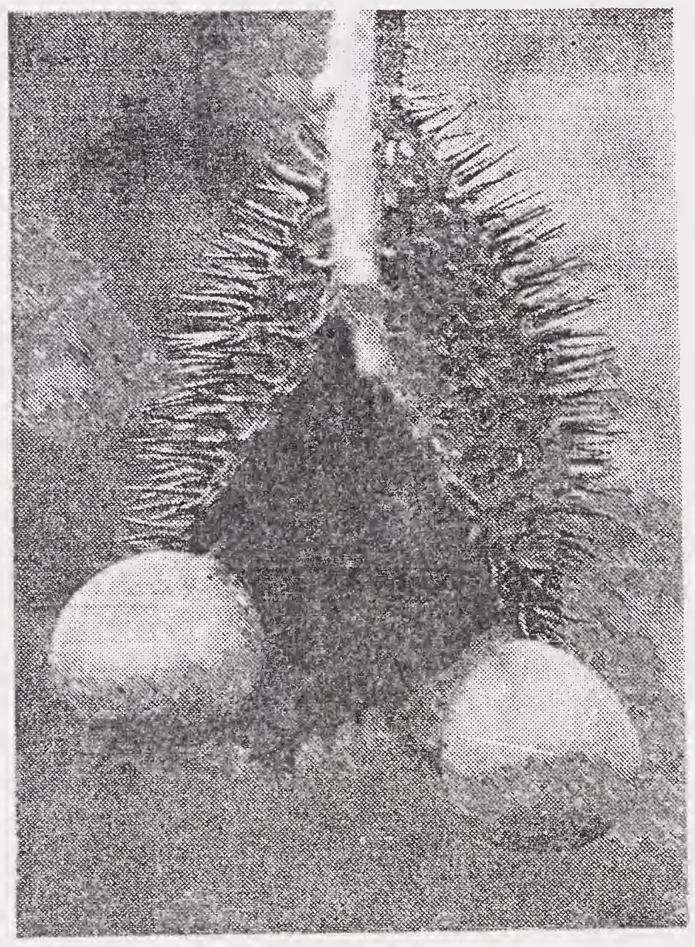
TEMPORARY STREAM AT CABRITS

Rainfall in this zone is relatively low (60-70 inches), and most of this occurs over a four to five months period. During and following heavy showers two temporary streams may appear in the Cabrits Valley. Slightly buttressed Akoma trees may be found growing alongside the southern watercourse of the Valley.

So far, more than forty species of trees have been identified in the dry forest of the Cabrits peninsula. Many of these species are commercially valuable, their wood being utilized for furniture, charcoal, shingles, and general construction. During the earlier part of this century, the dry forest of the Cabrits provided a source of timber for export to Barbados in the form of round logs and firewood.



grey seeds of the Kach-kach, when rubbed on a hard rough surface will inflict a sharp hot burn if soft skin is contacted.

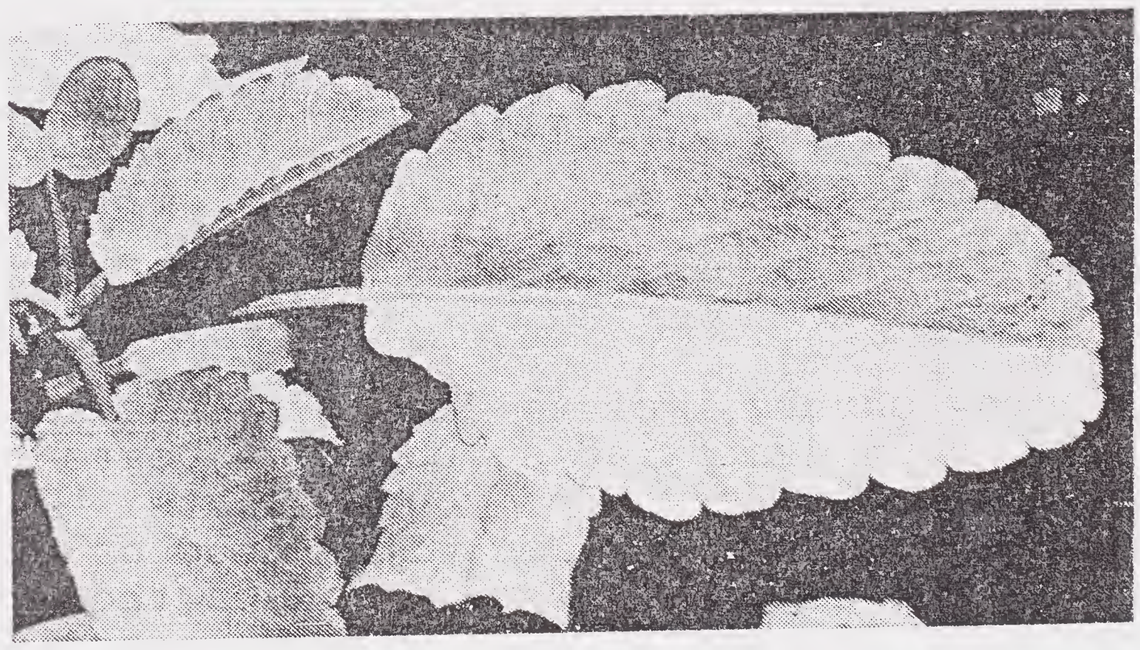


POD AND SEEDS OF KACH KACH

Shrubs and herbs

A number of shrubs and herbaceous plants may be found on the Cabrits peninsula. Over forty species occupy the open spaces on the hills and the semi-dry portions of land at the base of East Cabrits. The latter area is very rich in species composition, containing a number of shrubs, sedges, vines, grasses and other herbs.

Most of these species are comonly used by the people of the Cabrits area and other parts of Dominica, and at least twenty-four of the herbs and shrubs found on the peninsula have medicinal values. Some of the plants are also important for craft items (e.g. Gwenn Job), children's play (Kavalyè Wonzè), dry floral arrangements (lemon grass), fodder and medicines for livestock (Gwotèt; Kafé Zépyant), and



LEAF OF LIFE

in the preparation of food and and beverages (Zouti, Koklaya; Kafé Zépyant).

Only two succulent plants have been encountered at the Cabrits - the 'Kavalyè Wonzè (Kavalyè Onze Heures), and the 'Leaf of Life' or 'Lamowi' (Kalanchoe pinnata). The Leaf of Life is very abundant near the Valley Trails adjacent to the Mahogany and Teak plantations, and on the Parade Square. Although the plant produces seeds which germinate and grow into young plants, the Leaf of Life also reproduces by means of its leaves. If a leaf is picked and put in a dark place, or even in a book, tiny plants will grow up from the brown spots near the edge of the leaf in about a week's time. Hence the name Leaf of Life.

These leaves are used in local folk medicine, and by children to write love notes, and as a substitute for cod-fish or 'salt-fish' in their games; hence the other name of Lamowi.

The Kavalyè wonzè produces white, bright red or pink flowers in a rosette, and the flowers open from about nine o'clock in the morning. The plant is extensively used as an ornamental, and children use the leaves as rice in their house games.

One of the vines found in the dry forest at the Cabrits is the Jumbie Bead or "Gwenn légliz" (Graines l'église). The small black and red seeds are used in craft work, local medicines and in household lamps.



Forest plantations

While walking along the trails at the Cabrits one will observe areas where the vegetation appears to be different from that growing on the rest of the peninsula. In these areas the trees appear to be growing in straight lines, are about uniform in height and size, and may even have red bands painted on their trunks.

These areas are small forest plantations which were established in the 1960's and early 1970's by the Forestry Division on an experimental basis.

The trees bearing the red paint markings near Fort Shirley are **Teak** (Tektona grandis) trees. Note the large rough leaves, especially on stumps which have resprouted. Teak grows in the natural forests of Burma, and loses its leaves during the dry season. The wood makes high quality furniture.

The flat area on the way to North Gorge and the Douglas Bay Battery, also refered to as the Parade Square, is planted up in Teak and another large-leafed tree, the **Blue Mahoe** (Hibiscus elatus). Blue Mahoe grows naturally in the forests of Jamaica, and produces thick red or yellow flowers on the same tree. The trees are evergreen.



FLOWER AND LEAVES OF BLUE MAHOE

Another noticeable species in the plantations is the **Mahogany** (Swietenia mahogani). The leaves turn a reddish brown before being shed during the dry season, and the trees remain leafless for only a brief period. The wood makes excellent high grade furniture, and the 'shell' or woody outer part of the fruit pod, after splitting open longitudinally into several parts, is used by craftsmen to make curtains and other craft items.

The light brown seeds of the Mahogany are easily transported by the wind, and as a result one can now find many healthy Mahogany seedlings scattered in the undergrowth, competing for survival in the dry forest at the Cabrits.

Other forest plantation species which have been planted at the Cabrits are Red Cedar or Akajou (Cedrella odorata), Caribbean Pine (Pinus caribaea) and Pink Poui (Tabebuia rosea).

The coastal fringe



FRINGE OF VEGETATION ON NORTH COAST OF CABRITS

The narrow fringe of vegetation found near the coast at the Cabrits is dominated by a few species which are normally associated with the littoral environment.

The vegetation on the northern portion of the peninsula is partly composed or littoral species, and is mainly made up of White Cedar (Tabebuia pallida) and Seaside Grape (Cocoloba uvifera) trees. A few coconut trees (Cocos nucifera) may also be found in this wind and spray affected area of the Cabrits.

The southern side of the coastal fringe around th peninsula contains more diversity in the species composition. This area is not influenced by the steady breeze and sea spray which has modified the coastal fringe on the northern and western shores of the peninsula.

Besides the White Cedar and Seaside Grapes Trees, one will also find Seaside Mahoe or Maho lamè (Thespesia populanaea), and the dreaded Manchineel (Hippomane mancinella), pronounced Madjini or Manndjini.

Due to the appearance of their fruits, these two species are often confused by the casual observer. Visitors to the Cabrits are warned to avoid contact with the Manchineel; if in doubt avoid contact with any plant which you are not familiar with. The tempting green or yellow fruits of the Manchineel will cause blistering and swelling



LEAVES OF MANJINI

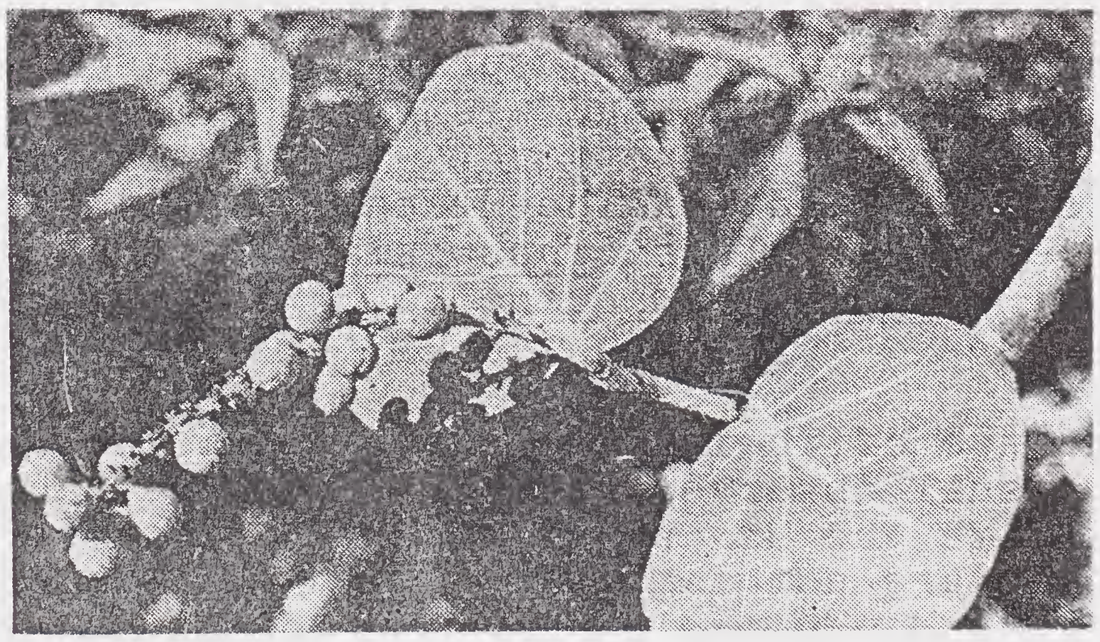


LEAVES AND FRUITS OF SEASIDE MAHOE

of the lips and discomfort to the stomach if eaten. The oily latex in the tree is said to cause blindness if it contacts the eye, and standing near these trees during strong winds may result in itching of the skin. Thus avoid breaking branches or picking leaves, flowers or fruits.

The Manchineel and Seaside Mahoe can be seen near the sea at the base of the causeway, and while their leaves are dissimilar in shape and arrangement of veins, the fruits are quite similar in most respects.

Other species found in the fringe are the Indian Almond or 'Zamann' (Terminali Capitata), and the Fijyé tree (Ficus citrifolia) .



SEASIDE GRAPES

The wetlands

The East Cabrits is flanked to the east by an area whose vegetation is influenced by a seasonal supply of fresh water. The area may be classified as a wetland, and contains small patches of swamp and an extensive marshy area. This wetland is about 35 hectares (89 acres) in extent, and is one of two large wetlands in the Portsmouth area.

A Wetland may be described as an area where the soil is periodically or constantly saturated by saline or fresh water. Such saturation must be frequent and short enough in order to allow for the survival of a type of vegetation which is typically adapted to life in water-logged and acidic soil conditions.

A swamp is described as a wetland which is dominated by woody plants, and a marsh is usually dominated by herbaceous species.

The wetlands at the peninsula is supplied with water from direct rainfall and from the runoff coming from the eastern side of East Cabrits and from the lands to the immediate east of the peninsula. The water is mostly fresh and there is no direct influx of saline water from the sea to the north or south of the wetland.

Most of the wetland area of the peninsula comprises a marsh which normally dries up during the dry season. It contains large areas of sedges, including Cyperus sp., "Jon", clumps of the swamp fern "Foujè swamp" (Achrosticum aureum), and large grassy areas.

Two spécies of "Jon" grow in the marsh: Eleocharis mutata with its circular cross-section, and the three-sided E interstincta. "Jon" was once extensively used in cottage industries for the filling of matteresses, and the making of hats and mats.

Woody swamp species

Generally, swamps are not very rich in tree species composition, and the areas of swamp at the Cabrits peninsula are no exception. However, the peninsula is unique in that it is the only area in Dominica where three typical swamp tree species have been identified.

The wetlands at the Cabrits dries up and floods annually, and usually more than one dry/wet cycle occurs each year. Thus any species thriving on such soil conditions is usually well adapted for that type of environment.

Annona glabra

The most commo ı swamp species at the Cabrits, Annona glabra (Mamen,

Kachiman dyab, Kòwòsòl kochon) is a close relative of the Sousop and Custard Apple. This usually small tree produces an open crown and relatively large fruits which turn bright yellow on ripening. It has been reported that certain persons eat the fruits of this tree, but the main use of these kachiman dyab fruits is for feeding



FRUIT AND LEAVES OF KOWOSOL DYAB

of swine, hence the other name Kòwòsòl kochon.

Some close, thick butteresses are produced at the base of the stem, and this is the only noticeable adaption of the tree to the inundated soil conditions. This species is usually found in areas which receive a supply of fresh water, and specimens may be seen near the small bridge over the Swamp Ravine.

Laguncularia racemosa

"Mang lamè" or White Mangrove is the only one of the three major swamp species at the Cabrits peninsula which is able to withstand brackish conditions. The species is also adapted to survive on soils which are inundated by the daily tides.

The White Mangrove generally has a straight and unbuttressed stem. However, the tree often produces a dense mat of pneumatophores near the stem. These specialised breathing roots are pencil-like in shape and project out of the soil, reaching above the regular high flood or high tide levels.

The Cabrits peninsula is one of three areas in Dominica where this

species has been found growing; the others are at Anse de Mai and Hampstead.

Pterocarpus officinalis

"Bwa mang" or Mangrove Tree, is the largest and tallest of the three swamp species found on the flats, attaining a diameter of well over two feet, and a height of ninety feet. On the Cabrits flats, the species occurs in a small patch of freshwater swamp forest in the northern portion of this wetland; some isolated trees may also be found to the south of the flats.



PETALS LYING ON FOREST FLOOR AMONG ROOTS OF BWA MANG

The trees produce very prominent, and contorted plank buttresses as well as a number of snake-like and disc-shaped roots which emerge from the forest floor a few feet away from the tree stem. These various root forms are important structures in terms of support and in the exchange of gases (Carbon dioxide and Oxygen) in the flooded soils.

Other species: The wetlands of the peninsula also contains two other tree species which are normally associated with other habitats. The White Cedar and Kampech (Haematoxylon campechianum), both common species in the dry forest can be seen growing near Pterocarpus trees at the Cabrits peninsula. Neither of these two species produces any special root structures for surviving on these periodically wet soils.

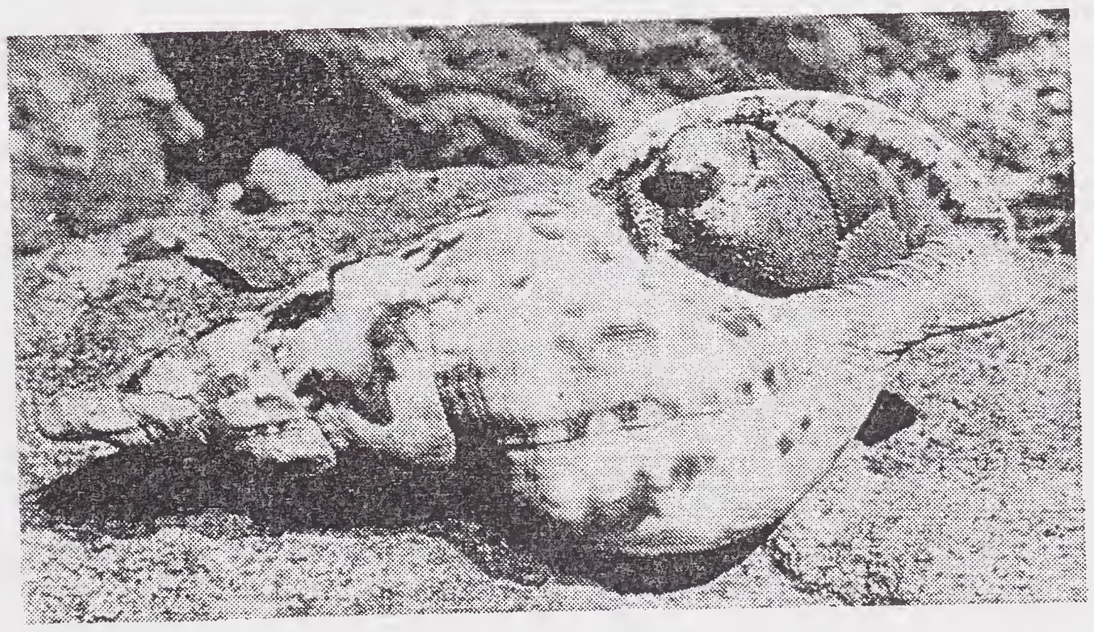
Anphibians	-	2 species of frogs
Birds	-	162 recorded species, including at least 59 breeding species
Mammals	-	18 species, including 5 introduced species (rats and mice, Agouti and Opposum)
Crabs	-	20 species (14 genera)
Crayfish & Shrimp	-	11 species (6 genera)
Scorpions	-	2 species (at least)

In this publication, brief descriptions will be given of some of the species within each of the various groups of wildlife which exist at the Cabrits peninsula.

Crabs

At least five species of crabs may be found on the Cabrits peninsula. One of these may be found among the rocks on the beach, one in the wetlands, two in the dry forest, and one on the dry forest and on the shore.

The most noticeable crab in the dry forest is the **Hermit crab**, locally known as the **"Soldier Crab"** (Coenobita cylpeatus). While all other crabs produce their own shells by the process of moulting, this crab does not. Instead, the Hemit Crab will occupy any available small sea shell, and may be found in shells of different sizes, and in a variety of shapes and colours. The crab may also occupy discarded bottle caps, and in 1982 one crab was seen at the top of the East Cabrits moving around in the broken capped head of a whiskey bottle.



SOLDIER OR HERMIT CRAB

Juveniles of this species of crab may often be seen on the beach in very small shells probably after occupying their first disposable home.

These fancy rented homes are mainly acquired for protecting the

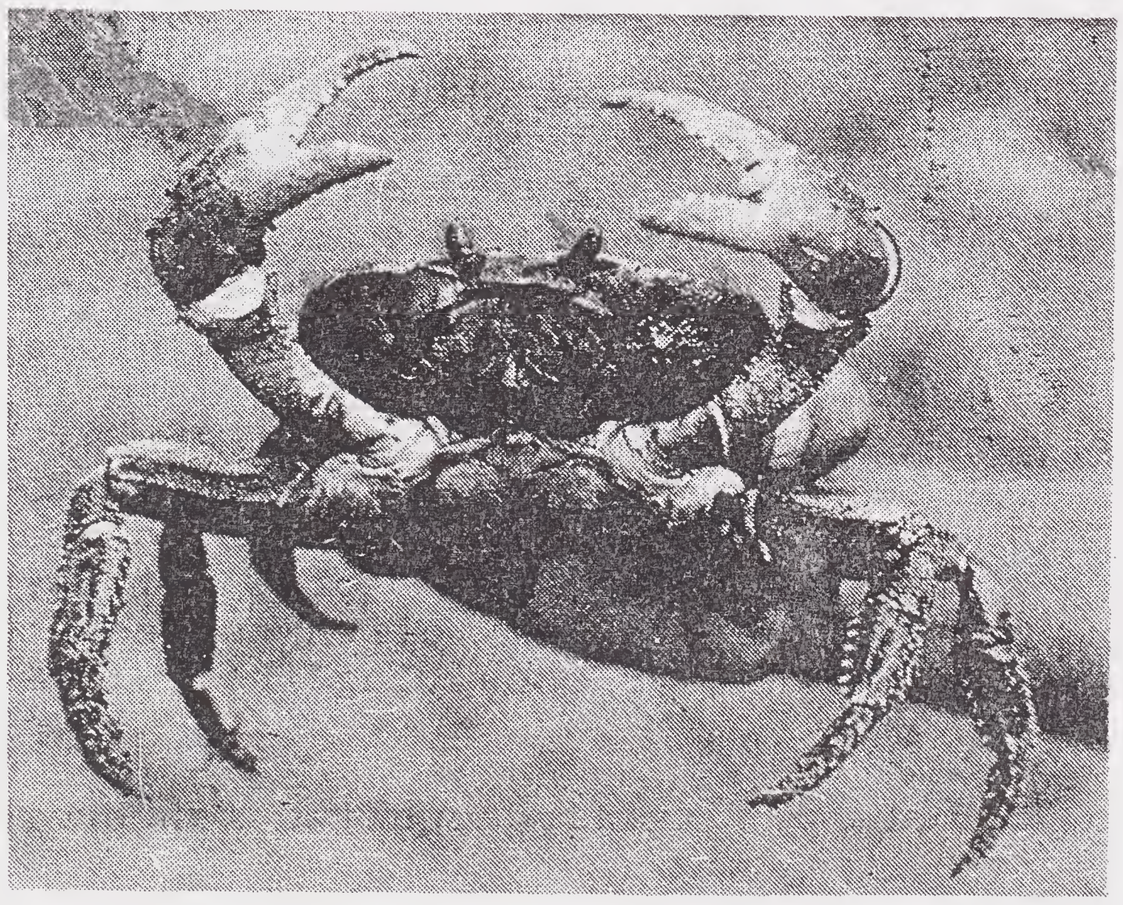
soft body of the crab from the sun and the predators. The crab will quickly retract into its protective armour when approached, displaying the white, purple and red on its legs and pincers.

Like all other crabs, the shell (or other covering) on the back of the Hermit Crab is rigid. Thus as the crab grows, it will discard the 'rented' shell or bottle cover and find a larger one which it will occupy until the space inside gets too small. In so doing, these crabs do not have to find brand new shells to occupy, and are able to occupy previously rented coverings. In short, the shells are constantly being recycled, and any empty shell found on the ground would soon be taken up. This explains the occupation of various sizes of shells by the Hermit Crab.

At nights during the dry season, when females bear their eggs, dozens of these adult crabs may be found on the shore where they wash their eggs in the splash in order to begin the process of development of the embryos within the tiny eggs. Thus the newly born crab does not often have to travel far in order to find a tiny sea shell washed up by the waves, or which may have been occupied by previous generations of crab hatchlings.

The soft body of the slow-moving Hermit Crab is used as fish bait, but not for food.

The **Black Crab** or **"Kwab"** (Gegarcinus ruricola) and its relative the **"Touloulou"**(Gegarcinus lateralis) also exist at the Cabrits. The Black Crab, which actually has a dark purple shell, is often confused with the smaller "Touloulou" which is black with red at the sides. Both species are to be found in the dry forest and are relatively fast moving crabs.



BLACK CRAB

At nights during the dry season, one will often notice the black crabs and touloulou on the road, or climbing the cliffs, travelling in a direction to or from the sea.

Both the Black Crab and the Touloulou are used for food in Dominica, but the former species is the more popular of the two. Black Crabs are often prepared in one of three ways on the island. Firstly, the crabs may be dismembered, the main body broken into small bits, and these are cooked with a leafy vegetable, usually the young curled up leaves of the dasheen. The soup is referred to as "Crab Calalou".

Secondly, the pieces of the crab may be stewed with seasonings and used as a side dish, usually with bread. The third method of preparation is popularly referred to as the "Crab-back". This is made from the crab meat which is highly spiced and topped with bread crumbs; this is then baked within the shell. The Crab-back is relatively expensive delicacy in Dominica.

Though Black Crabs are widely eaten in Dominica, it is known that at certain times of the year the flesh of these land crabs may be slightly toxic to man. It is commonly believed that when the crabs feed on the seeds of either the "Maho Piman" Tree (Daphnosis caribaeum), the Galba Tree (Callophylum Calaba), or the Avocado Pear the animals become toxic and must be purged before consumption. Failure to do so may result in vomitting and other forms of unpleasantness.

The fourth species of crab on the peninsula, the **White Crab** or **"Kòbo"** (Gardiosma guanhumi) may be seen close to their burrows on the mud flats of the wetlands. When approached, these large grey or light yellow crabs almost seem to disappear from sight as they quickly retreat to their deep curved burrows in the mud. The Kòbo is the largest of the land crabs in Dominica and is widely hunted for food.

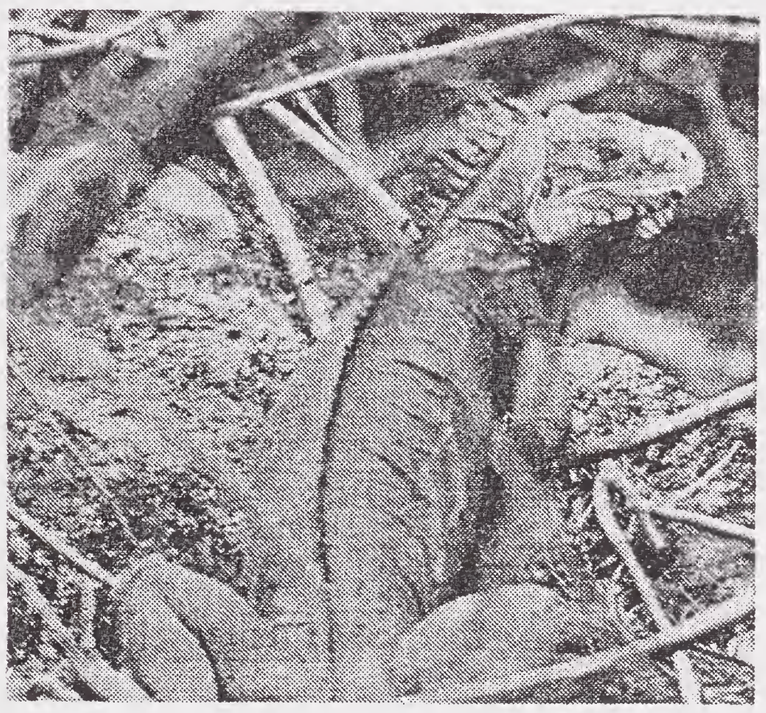
In comparison with the Touloulou which may be found at elevations of up to 1,000 ft, the White Crab is usually found on flat coastal areas at elevations of up to 25 feet. The mudflats at the base of the Cabrits supports a relatively large population of this species of land crab.

Finally, the **"Zagaya lamè"** (Grapsus grapsus) may be found in the splash zone on the rocky sections of the beach at the Cabrits. This small black crab with its almost circular shell is extremely difficult to catch and is not used as food on the island.

The Ground Lizard (Amieva fuscata) and the Tree Lizard (Anolis bimaculatus oculatus) are the most common lizards at the Cabrits. The Ground Lizard is the large 6-inch bluish (male), or copper-brown (female) lizard which one often finds basking in the sunlight along or near the trails. These lizards are very good runners, and will quickly seek shelter. Though good rock climbers, these lizards do not climb trees. The adult males are often larger than the adult females. The Abòlò is the lizard mainly responsible for the rustling among the dry leaves on the forest floor, and it is in the dry north-western coastal scrub-belt of the island that this lizard reaches its greatest densities.

The Tree Lizard or "Zanndoli" is smaller than the Ground Lizard, and is most often seen on the trees. The male is larger and more colourful than the female, and has a yellowish fold of skin on the throat which it extends in a fan. This display is used in defence of its territory and during courtship.

The Iguana or "Léza" (Iguana delicatissima) is rare at the Cabrits, but this species of lizard may occasionally be seen on the ground or perched in a tree in the dry forest. This animal is able to change its colouration from green to brown, and back to green, for purposes of camouflage. This is the largest of the lizards on Dominica, reaching a length of over 3 feet.



IGUANA

The Iguana, being a reptile, is covered in scales and bears a crest of tough scales from its neck to the end of its tail. It is an excellent swimmer and will readily take to the water to escape capture. It is also a good runner. The species is protected under the Laws of Dominica, but was once heavily hunted for food as it is considered to be a delicacy. The Iguana may be found along both east and west coasts of the island.

Sea turtles : The wildlife described in this publication thus far have all been terrestrial species. However, the section on wildlife would be incomplete without at least mention being made of the largest animals which may be found occasionally on the beaches adjacent to the Cabrits peninsula.

Three species of marine turtles nest on the sandy beaches of Dominica, and two are known to nest on the two beaches situated to the south-east and north-east of the peninsula. The larger of the

SOME FACTS ON THE CABRITS PENINSULA

Height of inner (East) Cabrit - 139.6m (458 ft)
Height of outer (West) Cabrit - 179.5m (589 ft)
Area of proposed Cabrits National Park: 531.1 ha (1313 ac)
- terrestrial component: 105.2 ha (260 ac)
- marine component: 426.1 ha (1053 ac)

Major Ecological Zones: Dry Scrub Forest, Wetlands
Number of Tree species - at least 53
Number of species of Shrubs and Herbs - at least 45
Number of Crab species - 5
Number of Bird species recorded: 60
Number of Lizard species: 6
Number of Mammalian species recorded: 7
Species of Nesting Turtles: Green, Hawksbill

HOW DID THE AREA GET ITS NAME? ..... According to a local historian, the name CABRITS comes from "the Spanish, Portugese and French word for 'goat' because sailors left goats to run wild on the headland to ensure fresh meat on future visits."







APPENDIX I

PLANTS MENTIONED IN TEXT

Abrus precatorius	Gwenn légliz, Jumbie Bead
Acacia sp.	Foujè swamp, Swamp Fern
Annona glabra	Kachiman dyab, Mamen
Annona muricata	Kòwòsòl, Soursop
Annona reticulata	Custard Apple
Bursera simarouba	Gòmyé wouj, Naked Indian
Calophyllum Calaba	Galba
Carica papaya	Papay, Pawpaw
Cassia occidentalis	Kafé zépyant, Kafé Moka
Cedrella odorata	Akajou, Kajou amè, Red Cedar
Ceiba occidentalis	Fòmajé, Silk Cotton, Flo Tree
Citrus aurantifolia	Lime
Citrus paradisi	Grapefruit
Cocoloba uvifera	Seaside grapes
Cocos nucifera	Coconut
Coix Lacryma Jobi	Gwenn Job, Job's Tears
Cympopogen citratus	Lemon Grass
Cyperus sp.	Cyperus
Daphnosis caribaeum	Maho piman
Delonix regia	Flamboyant
Elocharis mutata	Jon
Eleocharis interstincta	Jon
Eugenia ligustrina	Méwiz
Ficus citrifolia	Fijyé
Glirida sepium	Glory Cedar
Haematoxylon campechianum	Kampèch, Campeche
Hibiscus elatus	Blue mahoe
Hippomane mancinella	Mannjini, Manchineel
Hura crepitans	Sabliyé,Fish Tree, Sand Box
Kalanchoe pinnata	Lamowi, Leaf cf Life
Laguncularia racemosa	Mang lamè, White Mangrove
Lantana spp.	Mamizou
Laportea aestuara	Zouti, Stinging Nettle
Leonotis nepetifolia	Gwo-tèt, Ball Head,
Lonchocarpus latifolius	Savonnèt
Mangifera indica	Mango
Mastichodendron foetidissimum	Akoma
Peperomia pelludica	Koklaya
Pimenta racemosa	Bwa denn, Bay Leaf
Pinus caribaea	Caribbean Pine
Psidium guajava	Gwiyav, Guava
Pterocarpus officinalis	Bwa mang, Mangrove
Swietenia mahogani	West Indian Mahogany
Tabebuia pallida	Pòwyé, White Cedar

Tabebuia rosea	Pink Poui
Tektona grandis	Teak
Terminalia Capitata	Zamann, Indian Almond
Thespesia populanae	Maho lamè, Seaside Mahoe
Zanthoxylum spinosum	Lépiné
?	Kach-kach
?	Kavalyè-wonzè

APPENDIX II

LIST OF WILDLIFE MENTIONED IN TEXT

CRABS:

Coenobita cylpeatus	Soldier Crab, Hermit Crab
Gardiosma guanhumi	Kòbo, White Crab
Gegarcinus lateralis	Touloulou
Gegracinus ruricola	Black Crab
Grapsus grapsus	Zagaya

LIZARDS:

Ameiva fuscata	Abòlò, Ground Lizard
Anolis bimaculatus oculatus	Zanndoli, Tree Lizard
Hemidactylus mabouia	Mabouya kay
Iguana delicatissima	Léza, Iguana
Mabuya mabouia	Zanndoli klèwant, Skink
Thecadactylus rapicauda	Mabouya hazyé, Geko

SNAKES:

Alsophis lucomelas sibonius	Kouwès nwè, Grove snake
Constrictor constrictor crophias	Tèt-Chièn, Boa Constrictor
Dromicus juliae juliae	Kouwès jenga

TURTLES:

Chelonia mydas	Tòti, Green Turtle
Dermochelys coricea	Leatherback Turtle
Eretmochelis imbricta	Do Kawèt, Kawèt, Hawksbill Turtle

AMPHIBIANS:

Eleutherodactylus martinicensis	Gounouj, Tree Frog
Leptodactylus fallax	Crapaud, Mountain Chicken

MAMMALS:

Ardops nichollsi	Bat, Souwèl Souwi
Artibeus jamaicensis	" " "
Molossus molossus	" " "
Natalus stramineus	" " "
Pteronotus davy	" " "
Sturina lilinm	" " "
Tadarida brasiliensis	" " "
Rattus rattus	Black Rat
Sus sp.	Wild feral pig

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24: (Linpus et al)
27: (Bond)

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For further information contact:
C.W. Hart
Department of Invertebrate Zoology
National Museum of Natural History
Smithsonian Institution
Washington, D.C. 20560 U.S.A.

Phone: (202) 357-4679
FAX: (202) 357-3043
TELEX: 264729
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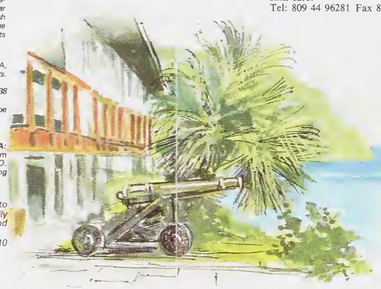
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6. LAYOU RIVER HOTEL
7. LAYOU VALLEY INN
8. VENA'S PARADISE RESORT
9. FLORAL GARDENS
10. EMERALD BUSH BAR
11. SHIPWRECK
12. EXCELSIOR HOTEL
13. ITASSI COTTAGES
14. REIGATE HALL HOTEL
15. FORT YOUNG HOTEL
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COVER PICTURE:
Carib girl weaving basket.
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July 11

DOMINICA

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ANTILLES

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FREE

EDITOR: CAROLINE POPOVIC
ART DIRECTOR: CHRISSY MICHAEL
TRAFALGAR FALLS PHOTOGRAPHED BY CHRIS HUXLEY

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DOMINICA CALENDAR

It is said that on November 3, 1492, Christopher Columbus was the first European to set foot on Dominica. Five hundred years later, the island is observing a special quincentennial year to mark the momentous occasion. From November 3, 1992 to November 3, 1993 (the day Dominica celebrates 15 years of independence from England) an entire calendar of special events, entitled Encounter of Cultures, has been planned by the quincentennial committee. Each month focuses on a different aspect of Dominican life.



April is being called Sports Month and a host of national and regional sports competitions are planned along with a special Olympics and a variety of water sports activities. A special fun day where families with young and not so young members meet in competition will also be held.

The month of May is Religion, Flora and Fauna month. On the religious side of things, special religious services, church exhibitions and rallies will be held by various denominations. The rest of the month will be devoted to what Dominica has in abundance—lots of natural beauty. A Flora and Fauna exhibition is planned along with activities like night watches in the forest reserves in search of fauna. Nature tours and whale watching outings have also been scheduled.

But the most famous activity in May will undoubtedly be the Giraudel Flower Show. Held in the mountain village of Giraudel, the community which supplies most of the vegetables and flowers sold in nearby Roseau, the show is organized by a specially appointed village committee. There will be floral exhibitions and competitions as well as bamboo stalls selling a profusion of plants.

June is entitled Environment month. A public awareness program on pollution will be launched along with a clean up campaign. Tree planting and landscaping activities will be held and a children's park will be constructed in the Carib Territory. To temporarily lessen noxious emissions, there will be Walk to Work Days and No Smoking Days.

For information on event dates, contact Ms. C. Burton, manager of Dominica's Quincentennial Committee at the ministry of trade, tourism and industry. Her telephone number is 44-82045, 82351 or 82186.

DOMINICA'S VITAL STATISTICS

AIRPORTS - We have two airports. In the north, Melville Hall is the bigger of the two and is an hour's drive from Roseau, our capital, and half an hour from Portsmouth, the island's second major town. Canefield is just five minutes out of Roseau. LIAT, Air Martinique, Air Guadaloupe and the Nature Island Express service both airports. We also have an information desk in the arrival hall of Antigua's V.C Bird International Airport to assist Dominica-bound travellers. When leaving Dominica, there is an airport departure tax of EC$25.00 for visitors staying more than 24 hours. Day trippers pay EC$5.00. Children under 12 pay nothing.

AGRICULTURE - Our soil is so fertile that often by just sticking a cutting into the ground, it will sprout in no time. Coffee, cocoa, limes, citrus and vanilla have all enjoyed their heyday here but our most profitable crop right now is bananas. Dominica Coconut Products have created an immense demand for coconuts and turns Dominica's entire crop into international soaps like Dial, Imperial Leather and Palmolive. Oils and detergents are also produced. There has been a recent demand for bay leaf, aloes, spices, coffee and citrus and these are grown and processed mainly for export.

CARIBS - In the early 1900's, 3,700 acres were set aside by the British, on the north east coast between the coastal villages of Atkinson and Sineku as a permanent settlement for the descendants of the Carib Indians, the original inhabitants of the Caribbean islands. Dugout fishing canoes are still made in the ancient Indian way and craft shops along the roadside sell Carib baskets made with the traditional brown, white and black designs that have been part of Carib culture for generations. This is one of the most authentic Dominican souvenirs you can buy. The altar at the Roman Catholic Church at Salybia, in Carib territory, is made from a Carib canoe.

CHRISTOPHER COLUMBUS - The entire year from 3 November 1992 to 3 November 1993 when Dominica marks its 15th anniversary of independence from Britain, is being celebrated as the Encounter of Cultures. This special year is to observe the quincentennial of the arrival of Christopher Columbus in this part of the Caribbean and the program will focus on the island's culture, in particular the changes to the Carib Indian's way of life that occurred as a result of Columbus' arrival.

CHURCHES - The majority of Dominicans are Roman Catholic. Other denominations include Anglican, Methodist, Pentecostal, Baptist, Church of Christ, Seventh Day Adventist, Jehovah's Witness and Baha'i. Service times at the individual churches will vary, so call ahead for information.

CLIMATE - Due to Dominica's rugged and mountainous terrain, temperatures vary according to how high in the hills you go. In the mountains, it is a lot cooler than in the coastal areas, especially at night. Daytime temperatures range from 24 degrees centigrade to 29 degrees centigrade. The coolest period of the year is between November and February and the dry season is January to April. The rainy season is between July and October and parts of Dominica get more than 350 inches of rainfall each year.

CREDIT CARDS - All major credit cards and travellers' cheques are accepted by most hotels, restaurants and car rental companies. Listings in the RESTAURANT GUIDE show which establishments accept credit cards.

CURRENCY - East Caribbean Dollars (EC$) referred to locally at "Ecee." Our currency is tied to the US dollar. Bank exchange on US travellers' cheques is EC$2.68 and on US cash EC$2.67. Check banks for daily rates on all currencies.

DRIVING - In Dominica, we drive on the left hand side of the road.

DRIVING LICENCE - Temporary Driving Permits can be obtained from the Immigration departments at both airports any day of the week, or from the Traffic Department on High Street in Roseau from Monday to Friday. Up to one month EC$20 or EC$45 for up to three months. You must be between 25 and 65, have at least 2 years driving experience and carry a valid driver's licence when applying for a permit.

DRUGS - Use or sale of narcotic drugs is strictly illegal and carries severe penalties.

ELECTRICITY - 220/240 volts, 50 cycles. Almost 70% of Dominica's electrical needs are hydro generated. Please conserve electricity and turn off all lights and air conditioning before going out.

FESTIVALS - Like all Caribbean islands, Dominica celebrates Carnival. The street festival, where a grand parade of colorful costumes parades through the streets of Roseau takes place on the Monday and Tuesday before Ash Wednesday. Calypso and carnival queen contests take place at least two weeks prior to the street bacchanal. Independence Day is celebrated on November 3rd and the Friday before Independence is usually observed as Creole Day or Jounen Kweyol, a day to celebrate the language and customs that are traditionally Caribbean. The Feast of St. Peter and St. Paul is celebrated in all Dominica's fishing villages in June and July and several villages make special observance of their special patron saint's feast day.

GEOGRAPHY - Our neighbors are the French islands of Martinique to the south and Guadaloupe in the north. Dominica is 29 miles long by 16 miles wide with a total area of 290 square miles of lush, forested mountains, deep gorges and valleys alive with clear rivers, streams and inland lakes. All this comes tied up in a narrow, coastal ribbon of volcanic, sand beaches and some of the world's most spectacular scuba diving sites.

GOVERNMENT - Dominica's prime minister is the Honorable Dame Mary Eugenia Charles, the Caribbean's only lady prime minister. Since the 3rd November, 1978, Dominica has been an independent republic. On that day, the island took on the full title of the Commonwealth of Dominica.

HIKING - Get out and do it. There are so many trails in Dominica that you might not have time to explore them all during your visit. You can take on the gruelling trek to the Boiling Lake, climb Morne Diablotin or enjoy the more leisurely strolls to the Emerald Pool and around Cabrits National Park. Just remember, if you decide to be adventurous with your walking, take along a guide. Even the island's foresters are forbidden to go into the forest alone.

ISLAND HOPPING - Caribbean Express operates a fast ferry service to Guadaloupe and Martinique. Boat charters to these islands and Marie Galante are available through tour operators and hotel tour desks. LIAT, Air Guadeloupe, Air Martinique and Nature Island Express have daily scheduled flights to nearby islands and offer special day return rates.

NEWSPAPERS - The New Chronicle is published once a week and is on the newsstands every Friday.

RIVERS - While many love to boast that Dominica has a river for each day of the year (365), it is probably more accurate to quote Dominica's Resident Attorney and Magistrate, Thomas Atwood in 1791 when he estimated that the island had thirty major rivers with countless rivulets and streams. But whoever is right, nearly everywhere you go in Dominica, you will hear the sound of rushing and falling water.

TAXIS - Taxis will take you anywhere you want to go and there is a standard fare for fixed destinations. If you hire a taxi for a day's outing, agree on a price beforehand with the driver. There are regular minibus and truck services that operate between Roseau and the rest of the island, again there is a standard tariff for each destination. 'H' registration on vehicles indicates that it is for hire and it is advisable to book a taxi in advance for evening outings as few are available after 6pm.

TELEVISION - MARPIN TV offers 9 channels of American programming while VIDEO 1 has an additional two.

TIME DIFFERENCE - Europe: October - April, 4 hours ahead. April - October, 5 hours ahead. North America, 1 - 5 hours ahead. Asia and South Pacific up to 13 hours ahead.

TIPPING - Some establishments include a 10% service charge. Check your bill to see whether service is included. Where applicable there is a 5% government room tax and a 3% sales tax.

TOURIST INFORMATION - The Dominica Tourist Division, National Development Corporation, Bath Estate, Roseau. Telephone: 44-82186/82351, the Dominica Hotel Association, P O Box 384, Roseau. Telephone: 44-86565. The Dominica Forestry Division also publishes several excellent maps, posters, brochures and booklets on the island's wildlife and flora. They can be purchased in local bookstores or from the Forestry Offices located in the Botanical Gardens in Roseau. Telephone: 44-82401.

VISITORS VISAS - American and Canadian citizens do not require passports or visas but must have proof of citizenship (containing a photograph) and an onward or return ticket. All others must produce a valid passport and outward bound ticket except for French nationals who may stay for up to two weeks with a Carte Identite.

WAI'TUKUBULI: The name given to Dominica by the Carib Indians. In their language, it means "tall is her body" and from the minute you set eyes on Dominica, you will see just how accurate the Carib description is.

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DIVING INTO DOMINICA

BY CAROLINE POPOVIC



Mother Falls at Trafalgar.

Trekking to the Trafalgar Falls was the last thing we expected to do. The walk requires a certain amount of agility and under normal circumstances the hike would have been no problem. But on that day my walking companion and I also happened to be 6 months pregnant.

How we came to be wallowing in the hot springs of the "father" Trafalgar Falls came about when Mae, the publisher of St. Lucia's Tropical Traveller and myself, editor of the same, were asked by the Dominica Hotel Association to consider compiling a similar magazine for the Nature Island.

It was the first time in Dominica for both of us and even though my step-brother has operated Dive Dominica for some years, I'd never visited him and his family. He might as well have lived in Timbuktu.

Seeing Dominica was quite something. I thought St. Lucian scenery was breathtaking but here was a place that left me speechless. The power of the green mountains soaring out of the sea is tremendous and attempts by humans to tame the place with roads and houses are dwarfed by the island's natural magnificence.

When we landed at Canefield, I felt as though I was looking back on St. Lucia some 20 years ago when that island was quieter and less developed.

In the pint sized airport terminal, Dominica's prime minister was helping some friends through immigration and customs. No police, no special formality attended the event.

We were to stay at the Papillote Wilderness Retreat in Trafalgar and by the time we had battled the traffic on the Gaza strip, said our hellos at Dive Dominica, it was dark. We saw little of the journey to Papillote except that we both anticipated imminent labour on the rougher parts of the road.

At Papillote, dinner was waiting and we wasted no time in devouring the delicious flying fish. We explored a little and decided on an early morning dip in the hot, sulphur pool that bubbles in Papillote's restaurant. We hit the sack, lulled to sleep by falling water and the droning turbines of the nearby hydro electric plant.

Early next morning, we relaxed in the hot waters of Papillote's pool. There's something about the mountain air and all those warm minerals (the shower, toilet and sink in our bedroom only put out hot mineral water) that really works up an appetite and we both sent back to the kitchen for a second breakfast.

Then the guilt set in. We had to work off all that food and a walk to Trafalgar Falls was recommended. We hired a guide, also recommended. His name, Robert and he assured us that the walk was not too arduous and that even in our condition would be able to handle the terrain without any problem.

Initially he was right. The path was well laid out with gentle gradients. Robert knew all about the flora growing along the pathway. I had expected to see bigger trees but our guide explained that most of the old ones had been blown down during Hurricanes David and Allen some 13 years before.

From the specially constructed lookout platform in front of the two falls, the power



Father Falls at Trafalgar.

of the falling waters is intense. The air is moist with flying water droplets, forced into the atmosphere by the sheer intensity of the falls.

The tallest waterfall on the left is called the "father" and the shorter one to the right is the "mother." The father originates from the Freshwater Reservoir high in the Trois Pitons National Park and flows through Titou Gorge. At the bottom of the falls, hot water pours through orange, mineral-stained rocks. Flash floods sometimes occur during the rainy season and it is risky business attempting to bathe in this fall (something we

discovered much later). The mother fall is the end of the Breakfast River and is not so prone to alarming floods.

The real expedition began as Robert led us across the river formed by the converging falls and over huge boulders on the far bank. He promised us a visit to both the falls. It's a good thing we both have pioneering spirits. A pregnant stomach gets in the way of your legs when you have to make a giant upward step and it's as inconvenient as carrying a large backpack that's strapped to the wrong side of your body. We clambered over huge boulders, picked our way up bamboo ladders and slithered as best as possible around the narrow paths.

We made it to Mother Fall safely. Robert was careful with us, giving us lots of help over the trickier terrain. Near the waterfall, he left us to rest while he plunged headfirst into the natural swimming pool at the foot of the falls. Clear and clean, the water looked freezing. But tempting. As Robert cavorted in the pool and dived into the water from the lower rocks of the falls, I clambered over slippery boulders to the edge of the pool where I carefully lowered myself into the water. It had an icy bite that was invigorating and cooling and the water was so pure that my hair and skin were instantly softened.

Our little expedition moved on, this time towards the Father Falls. Clambering over fallen tree trunks, legacies of the two hurricanes and over more slippery boulders carelessly flung off the cliffs eons ago, we came to the edge of the Father Falls.



Hot springs in the father falls at Trafalgar.

It was like taking a step back in time. Languishing in the hot waters that pour out of the lower levels of the falls was one of Dominica's original inhabitants. A young Carib man was washing his long, straight hair with hibiscus leaves in the warm waters. Handsome and copper skinned, he stopped to observe us approach. I felt like an intruder.

But he knew Robert and as soon as he saw that he was with two pregnant women, the Indian broke into a smile that lit up his watchful dark eyes.

We made our way down to the water. Orange and green mineral tones had stained the rocks and natural bathtubs had been gouged out of the stones. We sat comfortably in a couple of these basins allowing the hot, sulphur-smelling water to pour all over our bodies.

Naive tourists that we were, we were unaware that when it rains in the interior of the island, the Father Falls turns into a lethal flood of water with the power to dash humans to death against the rocks.

We were innocently enjoying ourselves in therapeutic hot waters.

Reluctantly we had to leave our baths to get back in time for a business meeting.

Mercifully, the walk back to Papillote was a whole heap easier than the initial hike to the falls.

At the restaurant, we swallowed two huge glasses of cold, fresh juice. We then realized that all that exercise had worked up quite and appetite and we immediately ordered lunch.

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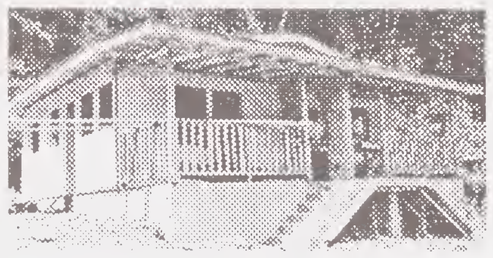
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FARSIGHTED ORESTERS

In all the Caribbean, Dominica has been credited with having one of the most progressive policies on forest and land conservation. For a country that cannot boast vast reserves of financial wealth, the powers that be have have put in place some dynamic laws that protect the country's real riches—its natural resources.

"We have looked on the outside and seen what has happened in places like Haiti. Haiti used to look like Dominica," says Arlington James, Dominica's Acting Director of Forestry.

Today Haiti is a wasteland with no trees and dried up stone beds for rivers.

In Dominica, the 17,000 acre Trois Pitons National Park contains some priceless treasures. Situated in the south central part of the island, the Boeri and Fresh Water lakes are contained in it along with the Boiling Lake and the elegant Middleham Falls. In the north the Cabrits National Park is 1,313 acres in extent which includes 1,053 acres of protected marine area. Everything within these parks is heavily protected and nothing can be cut, picked, removed or felled without the authorization of the forestry department.

Dominica also has a 22,000 acre forest reserve in the northern central part of the island. Established in 1977, the forest reserve differs from the national parks in that timber harvesting is permitted within its boundaries along with limited agricultural practices. Morne Diablotin, 4,747 feet tall and Dominica's highest peak, is also located in the forest reserve. Later this year a new 5,000 acre national park will be established in the reserve and named after Diablotin.

The new national park will encompass the favored habitats of the Sisserou and Jaco parrots, two endangered and endemic birds of Dominica, as well as the headwaters of several important rivers that supply water to the north of the island.

"The management plan has been prepared by the International Council of Bird Preservation and should be amended and ratified by government later this year," said James.

Thirteen years ago Dominica was ravaged by two terrible hurricanes which flattened the forested areas in the Trois Pitons region and places around the Fresh Water Lake still resemble bomb sites. The northern forest reserve was largely untouched by the storms, leaving some incredible areas of virgin forest intact.

Said Ashton Lugay, Assistant Forest Officer: "One thing we have in our favor when it comes to preserving the forest is the hostility of the land. Attempts have been made to commercially harvest the trees but they all seem to suffer the same fate. The difficulty of the terrain makes it expensive to get the wood out and the clay soil makes it hard for machinery to work."

Dominica's Forestry and Wildlife Division is responsible for managing the parks, taking care of the forest reserves and protecting all wildlife. With five forest rangers, 11 forest guards and forest officers, the small department is kept busy patrolling all this land.



Arlington James (left) and Ashton Lugay (right) of Dominica's forestry department.

"Everyone gets out into la bou (the mud) and all of us work here simply because we really love the job," said James.

But no matter how experienced a forester is, no one is allowed to patrol the forest alone.

"Our own people have got lost more than once and we strongly advise visitors to hire guides before venturing into the parks and reserves," said Lugay.

The Forestry Department is situated in the Botanical Gardens in Roseau. They sell several information booklets on various areas of natural beauty around the island. There is an aviary close by which houses Jaco and Sisserou parrots. These birds are part of a captive breeding program aimed at regenerating populations which were badly decimated by hurricanes David and Allen.

DIVE DOMINICA
PUTS SCUBA ON THE MAP

In 1984 Derek Perryman's Dive Dominica became the first scuba diving operation to open on the island. Since then, Dominica has become internationally famous as one of the most pristine diving destinations in the world.

Diving magazines feature the island regularly and scuba enthusiasts visiting Dominica for the first time invariably get hooked on the place and just keep coming back for more.

Derek used to be a full time pilot with LIAT but he has probably spent more time underwater than he has in the air. Since he was a kid, he has been fascinated with the undersea world. While still flying, he passed his diving certification in 1979 and by 1981 he was a qualified instructor with NAUI (National Association of Underwater Instructors).



The Dive Dominica crew.

Whenever he had time off he'd head to Dominica (his mother owns Castle Comfort Lodge) to teach diving to anyone who was interested. It soon became apparent that Derek's future lay in scuba diving.

"I wanted to do something for myself and I saw the potential in Dominica as a dive destination. The pristine waters, the undeveloped island and my mother's guest house all gave me a good potential base to open up," said Derek.

There are over 24 world class dive sites around the island and Dive Dominica visits at least 12 of them regularly.

"There are a lot of walls and pinnacles down there and underwater is just like a continuation of the landscape above the sea. It's very dramatic," said Derek.

Life beneath the waves is in excellent condition with prolific sponge life and a large selection of marine invertebrates. Favorite dive sites have names like Des Fous, the Suburbs, the Village, the Condo, the Pinnacle, Scott's Head Drop Off, Soufriere Pinnacle, L'Abym (more popularly known as Champagne), Dangleben's Reef, Point Guignard, Hot Springs, Solomon, the Tug (a wreck dive) and Rodney's Rock.

Dive Dominica offers dive packages to Castle Comfort clientele (they come mainly for the diving anyway) as well a providing services for Reigate Hall and Fort Young guests. Visitors staying at other establishments are welcome to use Dive Dominica's services and cruise ship passengers regularly take dive tours with the company.

With three dive boats, including a 36 foot dive catamaran that handles up to 40 divers, Dive Dominica specializes in certification and resort courses, advanced scuba such as night diving, snorkeling trips and boat charters.

According to Undercurrents, a private scuba newsletter that accepts no advertising, Dominica provides "adventure for experienced divers, novice divers and snorkelers. The walls, pinnacles and reefs are granite, carpeted by soft corals, hard corals and sponges. Sponge life is prolific from iridescent tube and Giant Barrel to Elephant and Encrusting Sponge. Black Coral can be seen as shallow as 50 feet and the place abounds with pinnacles, arches, caves, wrecks and deep reefs" all waiting to be explored."



DISCOVERING DOMINICA

The Carib Indians called Dominica Wai'tukubuli meaning "tall is her body." The simple phrase sums up the impact that this green, and mountainous island has on first time visitors.

There are so many places to explore in Dominica that a short vacation isn't nearly enough time to take in the entire island. The pace is slower here and it's hard to decide just where to start your discovery of the Nature Isle. You won't find fancy nightclubs or glitzy department stores and the most essential items in your suitcase are a rugged pair of walking shoes, casual clothing, bathing suits, a camera and an abundant supply of film. You'll lose track of the number of times you gasp in amazement at this beautiful island. We have designed an outline of places to visit just to give you an idea of what is available. Remember when embarking on hikes into the interior, it is advisable that you take along a guide. Your hosts can always recommend a knowledgeable individual and such assistance is a must, especially when undertaking the more strenuous and treacherous trek to the Boiling Lake.

BEACHES

Even though river bathing is probably the most popular way to take the plunge, there are some beautiful places in Dominica to enjoy a dip in the ocean. On the Caribbean side of the island, protected from the weather by Dominica's high mountains, you'll find black sand beaches at Mero, Batalie, Prince Rupert's Bay, Douglas Bay and Toucari.

The windward coastline between Crompton Point and Anse Soldat has some of the island's loveliest and best protected beaches on the Atlantic Coast. The sand ranges from volcanic black at L'Anse Noir to gold at Pointe Baptiste and Woodford Bay, the latter being a truly tropical bay. L'Anse Tortue and Hampstead Beach are also lovely bathing beaches. The beach at Calibishie is protected by a mile long barrier reef and the sheltered lagoon and golden beach is perfect for sea bathing.

Do take care when exploring the beaches on the windward coast as some of the most attractive ones (not mentioned above) have treacherous undertows and wicked currents that make them highly dangerous.

All beaches in Dominica are public property up to the high water mark but you sometimes have to pass through private lands to get to them. In this regard, you must respect the rights of the owners.

CABRITS NATIONAL PARK

Established in 1986, the Cabrits, the creole name for goat, is a 260 acre park on the north west coast of the island. Two extinct volcanoes form the headland of the park and in the south it overlooks Prince Rupert's Bay, a stunning natural harbor and beautiful beach that used to be home to the Caribs. To the north there is Douglas Bay with beautiful coral reefs and a specially prepared underwater marine trail. Prince Rupert's Bay is full of history. Sir Francis Drake came here and Horatio Nelson was a frequent visitor. An American fought a duel on the beach and Ann Davidson, the first woman to cross the Atlantic single-handed, touched land here.



Cruise ship dock at Cabrits with Portsmouth in the background.

The ruins of one of the most impressive military sites in the Caribbean can be found here. Built mainly by the British between 1770 and 1815, the garrison contains Fort Shirley, seven gun batteries, seven cisterns, powder magazines, ordnance storehouses, barracks and quarters for over 600 men. Built by slaves and white artisans from local volcanic stones and clay bricks from England, the whole works were cemented together with powdered coral limestone bound with water and molasses, a mixture that has held together through two hundred years of hurricanes and earthquakes.



Massive silk cotton tree at Cabrits National Park

Cabrits is also the only cruise ship facility in the region where passengers disembark directly into a National Park and the docks are situated on the site of the original wharf.

A tour of the park can take half a day with plenty of time for swimming and snorkeling.

CARIB TERRITORY

Many descendants of the Carib Indians, Dominica's first settlers, live in a 3,700 acre reserve on the north east coast of the island. Between the villages of Atkinson and Sineku, the area was officially granted to the Caribs in 1902. It is a bit difficult to know when you have arrived at the reserve because there are no signs and little changes in the way of dwellings and landscape. However you may notice a proliferation of craft shops selling traditional basketware and signs of the ancient Carib craft of canoe making.

In 1952 a Carib Council was created and there are elections every five years with the chairman of the council chosen as the Chief. The Carib Territory has a Parliamentary Representative, also elected every five years.

The church of St. Marie in Salybia Bay has an altar carved as a canoe.

Fifteen minutes on foot from Sineku, you will find L' Escalier Tete Chien or the snake's staircase rising out of the sea like a huge sculpture making a staircase up the hillside. Tete Chien is the creole name for the boa constrictor and Carib legend says that the Master Tete Chien made the staircase when the earth was still soft.

NORTHERN FOREST RESERVE

Since 1977, 22,000 acres land on the northern end of Dominica have been set aside as forest reserve. In contrast to a national park which prohibits any kind of tree felling or plant picking, tree harvesting and other agricultural practices do take place within the reserve.

The island's two indigenous parrots, the Jaco and the Sisserou, are found predominantly in the forest reserve and it is the location of the headwaters for several of Dominica's vital rivers. Morne Diablotin, 4,747 feet high and Dominica's highest peak, sits majestically in the northern forest reserve.

The government is currently enacting legislation that will turn 5,000 acres of the reserve into a new national park. This area is mostly favored by the two parrots and plans are expected to be finalized this year. An interpretation center, research shelter and a rest house for national park staff and visitors will be built near the start of the trail to Morne Diablotin.

Parrot watching tours and hikes to the top of Morne Diablotin are popular activities within the reserve. Just remember it is a big place with some pretty wild terrain and it is definitely recommended to hire a guide when venturing into this part of the island.

OLD MILL CULTURAL CENTER

At Canefield is the headquarters of the Cultural Division of the Ministry of Community Development. The first mill was built in here 1770 and in 1908 it was taken over by an American millionaire who completely modernized the plant. Old photographs are displayed at the center and there is a small museum containing pre-Columbian and traditional artifacts. Local artists show off their work and the Woodcarving Training School is situated on the grounds where students learn under the tuition of Haitian sculptor Louis Desiree.

The museum documents Dominica's history and traditions and as the mill is so well preserved, it is like taking a step back in time.

PORTSMOUTH

Portsmouth, Dominica's second largest settlement, is popular among the yachting crowd and local sloops and schooners are still built on the shore. The British colonists wanted to make the town the capital of



They used to build ships in Portsmouth.

Dominica but never succeeded and since then there has always been a north versus south mentality especially at election time. There are several beach bars and restaurants in and around Portsmouth and river rides up the Indian River, a mighty body of water that originates at Mount Diablotin, can be arranged here.

ROSEAU

Dominica has been ravaged by hurricanes and wars between the French and the English and as a result much of Roseau's early architecture has been destroyed. But in addition to the wealth of restaurants in the capital, there are still some interesting sights to enjoy.



The city of Roseau.

DINING IN DOMINICA

Creole style cooking is the speciality of most Dominican restaurants and wherever you go you can be sure to enjoy substantial, nourishing meals. Vegetables are fresh from the land, fish and seafood from the sea, crayfish and prawns from the river. Dominica is famous for its mountain chicken which is a variety of edible frog that tastes just like chicken. Don't be alarmed, only the back legs are eaten and these even resemble little drumsticks. Fruits and freshly made juices can be savored at almost every restaurant.

ROSEAU

GUIYAVE. Patisserie and Restaurant. There is so much good food served in both parts of Guiyave that not only is it difficult to make a selection, it is also hard not to overeat. This is one of Dominica's best loved eateries where everything is homemade. The downstairs patisserie serves countless varieties of French pastries, local patties, sweets, ice cream, sandwiches and local juices. The restaurant upstairs is open for lunch and specializes in creole cuisine. There is a daily special. Patisserie open 9am - 5.30 pm Mon. to Fri. and 9am - 3.30 pm Sats. Cork Street. Tel: 82930. Visa, Mastercard, Amex, Discover.

LA ROBE CREOLE. One of the best known restaurants on the island. Specialities creole octopus, creole rabbit, sweet and sour pork, shrimp, lobster, baked crayfish in coconut. Daily specials. Open for lunch and dinner, Monday to Saturday, 10am to 11pm. Large groups should make reservations. Opposite Fort Young Hotel, Young Street. Tel: 82896. Mastercard, Visa, Discover.

THE GREEN PARROT. Open for breakfast and lunch. Serves sandwiches throughout the day and fish, chicken and beef meals for lunch. Local juices and a snack menu also available. Open Mon. to Fri. 8am to 5.30pm and Sats. 8am to 2.00pm. Bayfront. Tel: 88944.

THE ORCHARD. Downtown restaurant serving breakfast, lunch and dinner. Specializing in goat and mountain chicken. Snacks only on Saturdays. Open Mon. to Fri. 8am to 10pm, Sats. 8am to 3pm. Cnr. King George V & Gt. George Sts. Tel: 83051.

THE CARTWHEEL. Serves sandwiches and salad bowls. Set menu each day with a variety of fresh juices. Open 7.30am to 3.30pm Mon. to Fri. Sats. 7.45am to 1pm. Tel: 85353.

CREOLE KITCHEN. Open for breakfast lunch and dinner. Full English breakfast with eggs and bacon. Sandwiches. Lunch chicken and fresh fish. Dinner, eat in or takeaway. Open 7am to 11pm Mon. to Thur. Until midnight on Fri. and Sat and on Sun. 3pm - 11pm. Woodstone Mall, Cork St. Tel: 86052.

PINA COLADA BAR. Small dining room serving local foods such as souse, roti and black pudding. Snacks at night. Jazz or steelband music on Friday nights and local Jing Ping band on Saturday mornings. Open seven days a week. 9am to midnight Mon. to Sat. and 5pm to midnight on Sun. Bath Road. Tel: 86921

CONTINENTAL INN. This guest house with 12 air conditioned rooms also has a restaurant open from 7am to 10pm, seven days a week. Serving breakfast, lunch and dinner, the menu is changed daily. Mastercard, Visa, Discover and Amex. Tel: 82214.

LA TROPICALE. Open for breakfast and lunch. During the week serves mainly sandwiches, rotis, hamburgers and hot dogs. Every Friday a special local creole meal is served. Mon. to Fri. 8am to 5pm. King George V St. Tel: 83772.

KENT ANTHONY GUEST HOUSE. With 14 rooms, 5 air conditioned, the restaurant is open from 7am to 10pm Mon. - Sat. and 8am to 12pm on Sun. Lunch is creole dishes with local vegetables or rotis. Dinner ranges from sandwiches to 3 course meals. Visa, Mastercard and Amex. Tel: 82730.

MANGE DOMINIQUE. Open for breakfast and lunch. This restaurant serves delicious dishes such as pelau, fish, chicken, curried goat accompanied by rice, peas and salad. A good selection of fresh juices. Open 8am to 4pm, Mon. to Sat. Cork St. Tel: 87100.

PIZZA PALACE. A wide variety of toppings including all veggies for vegetarians. Open Mon. - Fri. 9am to 11pm and Sats. 9am to 8.30pm. River Bank Tel: 84598.

REIGATE HALL HOTEL. Open 7 days a week for breakfast lunch and dinner. Specializes in French and Caribbean cuisine. A la carte menus for lunch and dinner. Mountain chicken in creole sauce and crab back are specialities. Amex, Visa and Mastercard. Tel: 84031.

PEARL'S CUISINE. This restaurant is loved by locals and is famed for excellent value for money and really good food. Open for breakfast, lunch and dinner and serving local goodies like fresh fish and stewed chicken for lunch along with rotis, pizzas and sandwiches. Dinner is a bigger menu consisting of local soups followed by fish, lobster, shrimp, mountain chicken and steak. Moderately priced all inclusive 3 course meals. Open 7.30am to 11.30pm Monday to Saturday. Amex, Visa, Discover and Mastercard. Tel: 88707

PORTSMOUTH

PRINCE RUPERT'S TAVERN at Cabrit's National Park. Small bar/snackette offering simple refreshments.

COCONUT BEACH RESTAURANT. Open for breakfast, lunch and dinner. Lunch time menu has chicken, lobster, seafood and fish specials. Restaurant is situated right on the beach. Tel: 55393

MAMIE'S ON THE BEACH. Hearty local food consisting of fish, chicken, lobster and crayfish all served with local vegetables, rice and salads. Lots of local juices all moderately priced. Open for breakfast, lunch and dinner, 8am to 11pm Mon. to Sun. Visa, Amex, Mastercard. Tel: 55997

LE FLAMBEAU. Located at the Picard Bay Hotel. Open for good creole lunches, the restaurant sits right on the beach overlooking the Caribbean Sea. Tel: 55131

CASTLE COMFORT

OCEAN TERRACE, ANCHORAGE HOTEL. Open for breakfast, lunch and dinner, 7 days a week. Serves full creole menu with some vegetarian dishes. Lunch is a simple affair with chicken, fish and beef while dinner offers more exotic dishes like lobster and mountain chicken. Amex, Visa, Mastercard. Tel: 82638

EVERGREEN HOTEL. Open 7 days a week for breakfast, lunch and dinner. Lunch consists of chicken, fish and pork chops with shrimp and mountain chicken by special request. Dinner offers selections from an appetizer menu as well as main course meals. The crab backs are especially recommended. Visa, Mastercard and Amex. Tel: 83288

MERO

CASTAWAYS BEACH RESTAURANT. International dining during the winter season. Special Sunday barbecue from 2pm to 5pm. All other days a la carte menu with creole chicken, mountain chicken and lobster specialities. 2 specials offered each day. Open 7 days a week for breakfast, lunch and dinner. Amex, Visa, Mastercard. Tel: 96244

CALIBISHIE

ALMOND TREE BEACH BAR AND RESTAURANT. Lovely lunches of lobster, octopus, chicken, fish and beef. Everything is cooked creole style and served with generous helpings of rice, provisions and salads. Local juices also served. Open 7 days a week for breakfast, lunch and dinner. Tel: 57783

CONCORD

FLORAL GARDENS HOTEL. Agouti, manicou and crapaud are the local specialities of this hotel. Crayfish and lobster are also house favorites and ground provisions are served as pies and croquettes. Soups and crab backs are daily appetizers. Open for breakfast, lunch and dinner, 7 days a week. Visa, Mastercard and Discover. Tel: 57636

CHECKHALL

GOOD TIMES RESTAURANT. Great music and pub atmosphere. Open late every night except Monday and Tuesday. Live music on Friday and Saturday nights. With excellent lamb, fish, chicken, steak and pork chops, Good Times is said to be the best bar and grill in Dominica. Be sure to sample their highly potent spice rum. Tel: 91660

SEAMOON CLUB. Classic chicken. The proprietor has been using the same recipe for the past 30 years. Good rum punch. Tel: 91061

LAUDAT

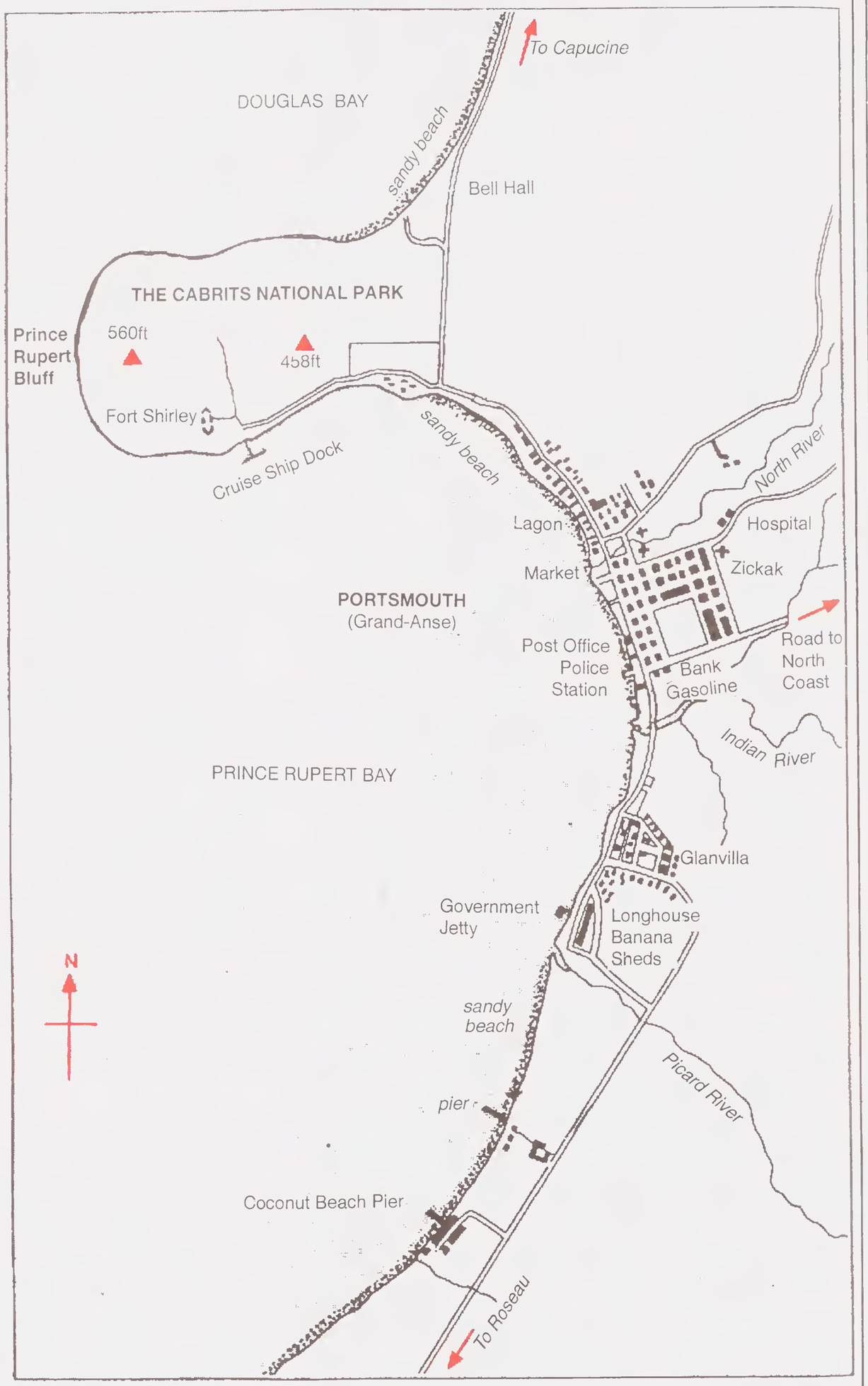
ROXY'S MOUNTAIN LODGE. Brother and sister team, Val and Mano run this little mountain hideaway. Good local food, drinks and music Tel: 84845

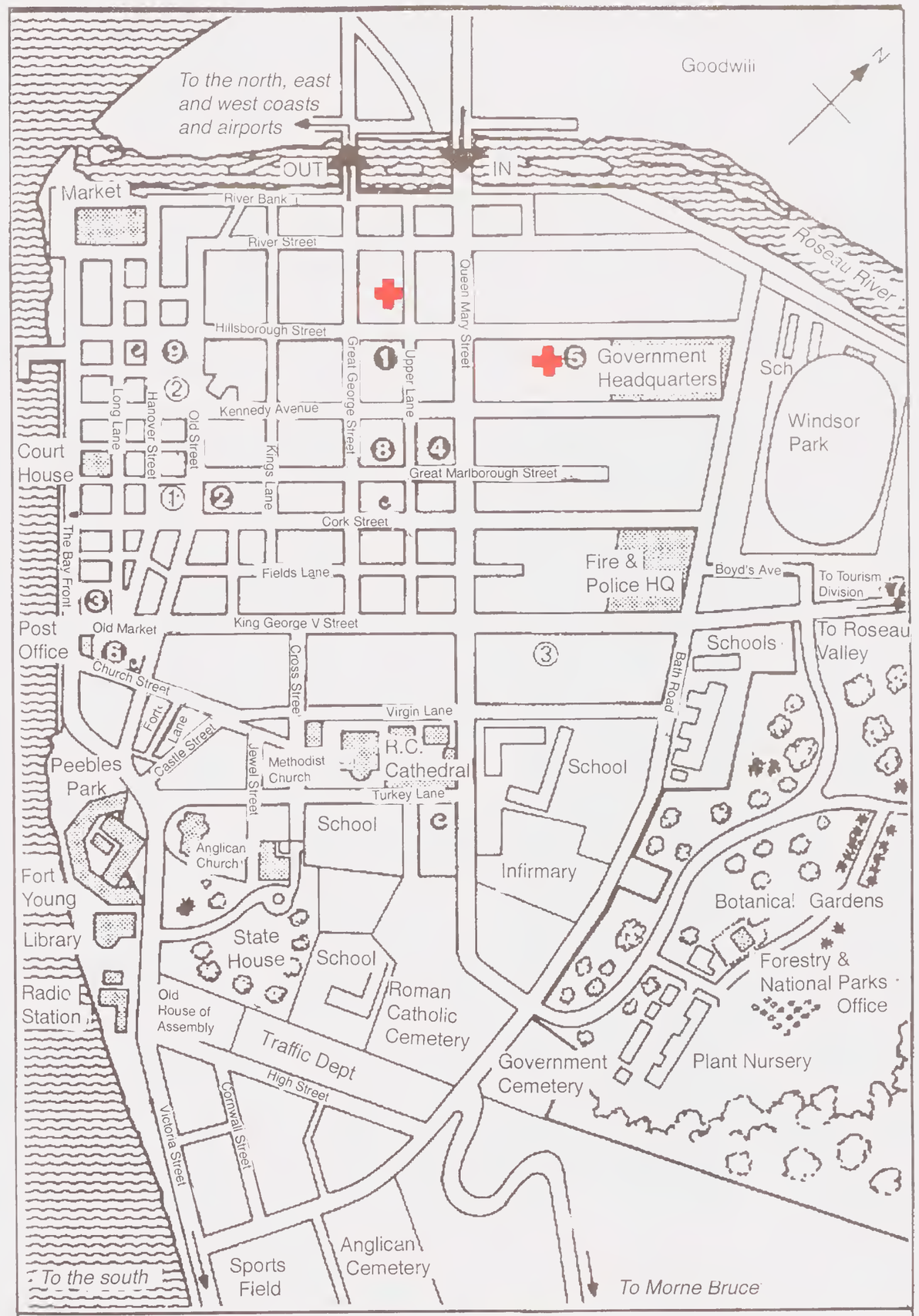
TRAFALGAR

PAPILLOTE WILDERNESS RETREAT. New restaurant due to open in April. Specializing in creole style health foods. Everything is fresh at Papillote. House specialities are salads, local vegetables, flying fish, prawns from the river and crapaud when in season. Reservations are advisable. Open 10am to 4pm, Mon. to Sat. Tel: 82287

SALISBURY

LAURO CLUB HOTEL. Open for breakfast, lunch and dinner, 7 days a week. Lunch is sandwiches while dinner is a more elaborate affair of shrimp, pork and beef dishes. French and Caribbean cuisine a speciality. Amex and Visa. Tel: 96602





ROSEAU

Maps courtesy Lennox Honychurch

Map Directory

- Craft Shops
- Important Buildings
- Health Centres public & private

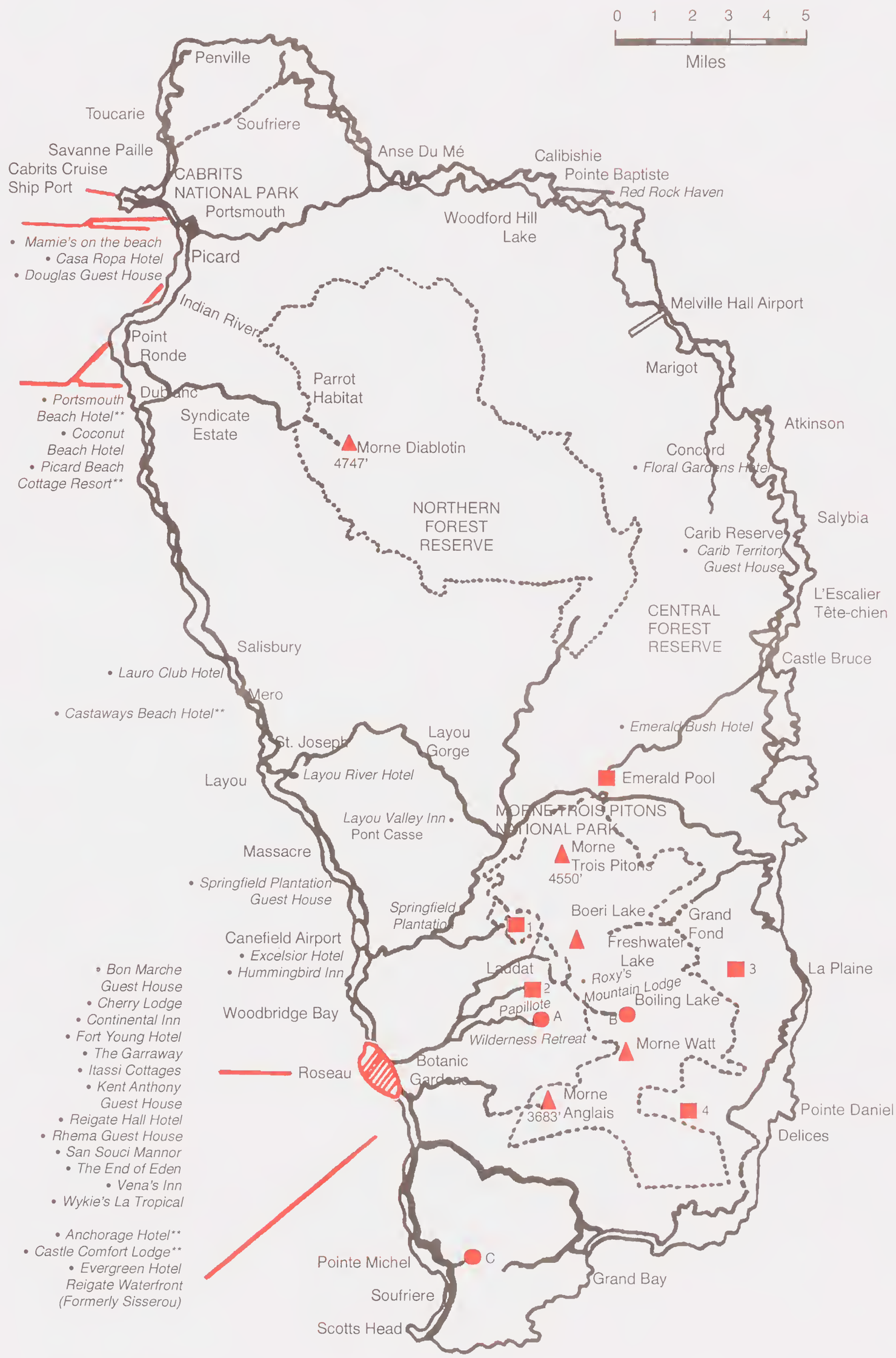
Black Numbers

1. Mussons Travel Service
2. Whitchurch Travel Agency
3. LIAT

White numbers

1. Bank of Nova Scotia
2. Barclays Bank plc.
3. Royal Bank of Canada
4. Banque Français Commerciale
5. AID Bank & National Commercial Banks
6. Dominica Tourist Information
7. National Development Corporation, (Head Office of the Division of Tourism)
8. Dominica Hotel Association
9. Cable & Wireless (Telephone Service)

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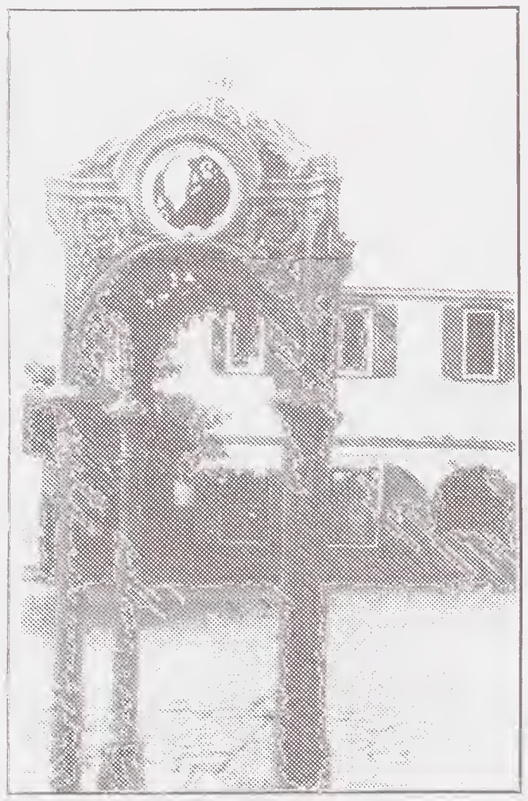
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The Post Office on Bayfront, one of Roseau's oldest buildings.

The Post Office on Bayfront was originally constructed in 1810 as a market house and is one of the oldest buildings in Roseau. The Old Market Square behind the post office used to be known as La Place and dates back to the early days of French colonization. Slave auctions, executions and punishments took place here and until recently it was the place to buy fresh produce. It is now a craft market. Here you will find the central Tourism Information booth.



Roseau Cathedral.

The new market stands at the mouth of the Roseau River and on Saturday mornings, the place overflows with vendors and farmers selling their produce and flowers from the pavement and stalls.



Botanical gardens in Roseau.

The Roseau Town Council building is one of the last surviving slave trading compounds in the Caribbean.

The Botanical Gardens are some 40 acres in extent. Originally designed as an experimental facility to enhance the island's agricultural industry, a few ornamentals were planted to make the place look attractive. Kew Gardens contributed many of the exotic species and until the 1930's the Roseau Botanical Gardens were some of the finest in the Caribbean. Many old trees were destroyed in Hurricane David but the Gardens remain a peaceful place to relax on manicured lawns beneath a shady tree.



Banana barges on the Indian River.

The Roseau Cathedral came into existence as a thatched hut built along the lines of a Carib Kabay. It took just over a century to reach its present magnificence and it was completed in 1916. As a result of its slow growth, it is a building full of fascinating history.

Vena's Guest House on Cork Street was the birthplace of novelist Jean Rhys. In the garden is the World of Food Restaurant.

In addition to the craft market at the Old Market Square, be sure to visit the other handicrafts shops. Carib crafts and spices are the order of the day at Dominica Handicrafts while Caribana Handcrafts specializes in Carib made baskets and Dominican vertiver grass rugs and mats.

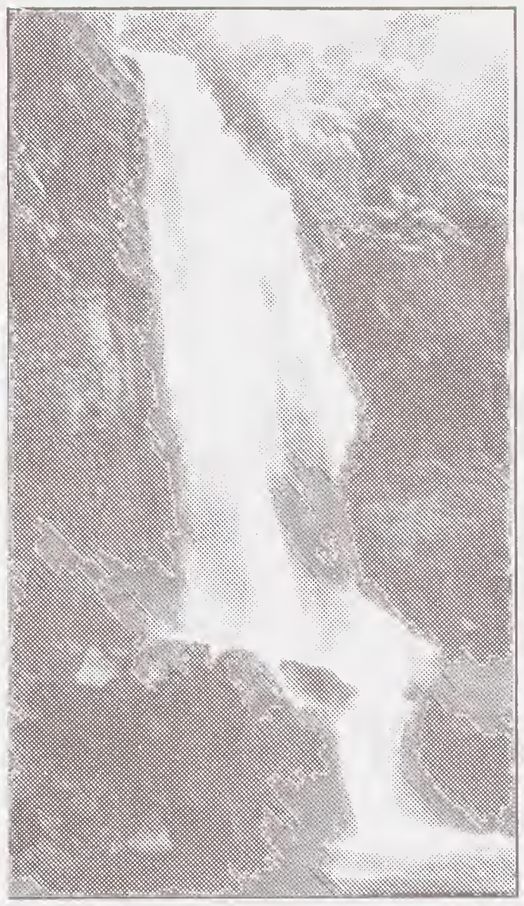
SCUBA AND SNORKELING

Dominica has several spectacular diving sites and because the sport of scuba is still so new to the island, new locations are still being discovered. Scott's Head and Cashacrou have beautiful coral formations and across the bay at L'Abym, there is an incredible wall dive where divers swim through bubbling waters created by volcanic activity on the sea bed. This dive is popularly known as "Champagne."

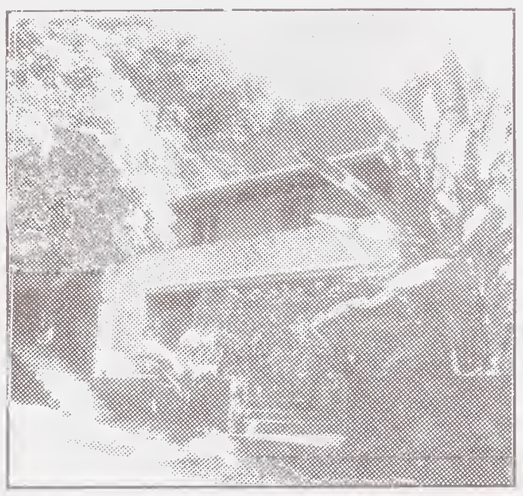
On the north side of Cabrits National Park is the marine park at Douglas Bay with its underwater snorkeling trail and there are wreck dives at Toucari and Capucine.

In the interests of preservation and conservation, the government of Dominica has established strict guidelines for scuba diving. Unless you get the written permission of the Fisheries Division, you must sign up with one of the recognized scuba operations on the island. Derek Perryman's Dive Dominica at Castle Comfort has first class facilities. With two dive boats, he offers resort and certification courses as well as regular dives at all the best sites. He also does night diving. The Anchorage Hotel, the Portsmouth Beach Hotel and the Castaways Hotel also have scuba operations.

TRAFALGAR FALLS



You take the road to Trafalgar as far as you can drive. The road ends at the Papillote mountain lodge and restaurant and the hydro-electric power station. Go on foot until you reach the lookout platform above the river. Here you will have a spectacular view of the twin Trafalgar Falls. The tallest waterfall on the left is called the father fall and the shorter one on the right is called the mother. The father originates from the Freshwater Reservoir and flows through Titou Gorge. At the bottom of the falls, hot water pours out of orange, mineral-stained rocks. Flash floods can be experienced during the rainy season and it is risky business attempting to bathe in this fall. The mother fall is the end of the Breakfast River. The water is icy cold and refreshing and there is a beautiful rocky basin at the foot of the falls to bathe in. The rocks are quite slippery and careful footwork is required before taking the plunge. The mother fall is not so prone to the alarming floods experienced in the father falls.



Papillote at Trafalgar.

Stop in at the Papillote for a drink and a delicious meal and visit one of the finest private botanical gardens in Dominica. Owner of this mountain retreat, Anne JnBaptiste has propagated exotic and beautiful rainforest orchids, heliconias, aroids and bromeliads.

TROIS PITON NATIONAL PARK

Dominica has one of the most forward thinking and active forestry programs in the Caribbean and has created a 16,000 acre national park in the southern section of the island that contains some of Dominica's most precious natural resources. Six established trails with picnic and rain shelters are maintained in the park and the three most popular sites are the Emerald Pool, the Freshwater Reservoir and the less accessible Boiling Lake.

You can get into the park three ways: the Laudat village road for trails to Freshwater Reservoir, Boeri Lake, Boiling Lake, East Coast Lookout, Grand Fond trail, 4,006 ft. high Morne Micotrin and 4,017 ft. Morne Watt. The Cochrane village road for the Middleham Falls trail which includes the Stinking Hole, a deep crevice in the forest floor and home to thousands of bats whose smell coupled with sulphurous fumes make the whole place live up to its name.

The third entrance is at the north of the Park on the Castle Bruce road for the Emerald Pool trail and the path to the top of the 4,600 ft. Morne Trois Piton.

BOERI LAKE

The route to the lake is via the Laudat Village road entrance. To get to Boeri you pass the Freshwater Lake and and beyond that it is an easy walk to an altitude of about 2,800 feet. Boeri Lake is about 117 feet deep and covers an estimated four acres. The Boeri along with the Freshwater Lake are both sources for Dominica's hydro-electric plants. Be careful touring Boeri Lake in the dry season as the lake's boulders are exposed and slippery. You might experience a nasty fall.

BOILING LAKE

Accessed from the Laudat Village road. Although the trail is no more than four miles long, it is one of the toughest hikes around and takes at least six hours there and back. Only undertake this trek if you are fit. Take along some basic provisions and make sure you hire a guide. Agree on a price before setting out.

On the way, you will cross the mouth of the Titou Gorge, a narrow canyon which ends up at the bottom of a waterfall.

The trail continues to the valley of the Breakfast River where a pause is normally taken for refreshment before the toughest part of the trek. High on a ridge of Morne Nicholls, you'll see the Valley of Desolation and get a quick look at the steaming waters of the Boiling Lake. You will walk into the Valley of Desolation, then up along a ridge, through two ravines and into open country. Across some more barren landscape, you will round one last ridge and there you will see the Boiling Lake. Depending on its mood—sometimes like a green soup or white with boiling foam—remember it is a hot cauldron of seething water and can be dangerous. However, the sight and feel of its power is an unforgettable experience.

RESTAURANT REVIEW

The fact that Guiyave is packed with local customers throughout the day speaks volumes for the food they serve. You see, Dominicans like their home cooking and Guiyave has to be doing something right to tempt folks away from their homes.

Guiyave is situated in downtown Roseau on Cork Street. The charming, two storey establishment, owned and managed by Ronald Astaphan and his mother, has two sections. Downstairs is a patisserie which serves an endless array of mouthwatering goodies. Selections of French pastries, local patties and cakes, quiches, sandwiches and endless pies are all lined up seductively behind the glass counters. Any fleeting guilt pangs can be assuaged at the large salad bar which has an excellent variety of fresh items. Or you can just have a large ice cream. Local juices are always available but you'll have to wait until Saturday to sample Guiyave's rotis.

The main restaurant on the second floor specializes in creole cuisine and there is nothing nicer than getting to Guiyave just before the lunch time crowds to sip a fresh juice and order one of the delicious daily specials. The menu changes daily and incorporates freshly prepared dishes like pumpkin soup, butterfly shrimp, Chinese



Guiyave restaurant in Roseau.

spare ribs, oven glazed chicken or baked fish with creole sauce. The meal comes complete with fresh, local vegetables and salad. There is also a snack menu and if you have any room left, there are usually three of the most tempting desserts lined up in the restaurant, just crying out to be sampled.

Everything is homemade at Guiyave and anytime you are in town, be sure to pop in and try some of the good things that most Dominicans already know about.

Guiyave's patisserie is open Monday to Friday from 9am to 5.30pm and 9am to 3.30pm on Saturdays. The restaurant opens from 8am to 3pm during the week and 8am to 2pm on Saturdays. They do not open for dinner and are closed on Sundays. Guiyave also has an air-conditioned function room on the third floor that can be booked for special events. Telephone: 44-82930.

•••

Anne Jn Baptiste, the proprietress of Papillote has created a Garden of Eden around her establishment. She has built her rooms and restaurant in one of the most beautiful spots in Dominica, a mountainous wilderness not far from the boundaries of the Trois Pitons National Park. She has surrounded the buildings with exquisite foliage. The rich soil is alive with orchids and bromeliads and her botanical gardens are among the finest privately owned specimens in the Caribbean.

The land bubbles with hot, mineral water and Mrs. Jn Baptiste has constructed a hot pool right in the middle of the restaurant. Customers can enjoy the reviving waters either before or after their meal. A manmade mini waterfall cascades just outside the restaurant. And if you want the real thing, the Trafalgar Falls are just minutes away.

The sound of rushing waters surround you at Papillote and the gushing and gurgling is only interrupted by the intermittent cackle of some of the most unusual looking fowls that live among the gardens.

The menu at Papillote is best described as healthfood prepared creole style. Everything is extremely fresh and very simply cooked. It is also delicious. Salads and local vegetables accompany flying fish and mahi-



Papillote restaurant at Trafalgar.

mahi dishes. River prawns are usually available and mountain chicken (Dominica's national dish) is specially prepared whenever it is in season. The restaurant also serves chicken. Fresh juices are always chilled and refreshing.

Papillote has just opened a brand new restaurant on the property with seating for 60 people. While the menu has been expanded, the food maintains its excellence. A hot water pool has been built in the new establishment just for restaurant clientele.

An excellent day trip is to hike to the Trafalgar Falls, take a cold plunge into pool at the bottom of the icy "mother" falls and then head to Papillote for lunch to satisfy the appetite you worked up on the way. You won't be disappointed.

Papillote opens Monday to Saturday from 10am to 4pm. Breakfast and dinner are available to resident guests while the restaurant opens to the public for lunch. Large parties are advised to make reservations and Mrs. Jn Baptiste will take outside bookings for dinner once she is called in advance. Telephone 44-82287.

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Created by the oldest established Dominican family—the Garraways, this service minded hotel embraces the island's traditions in both its atmosphere and cuisine. From either the private balconies extending from many of the rooms, or the quaint sidewalk cafe, guests enjoy a fanning view of verdant mountains dipping into the emerald Caribbean Sea.

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EMERALD POOL

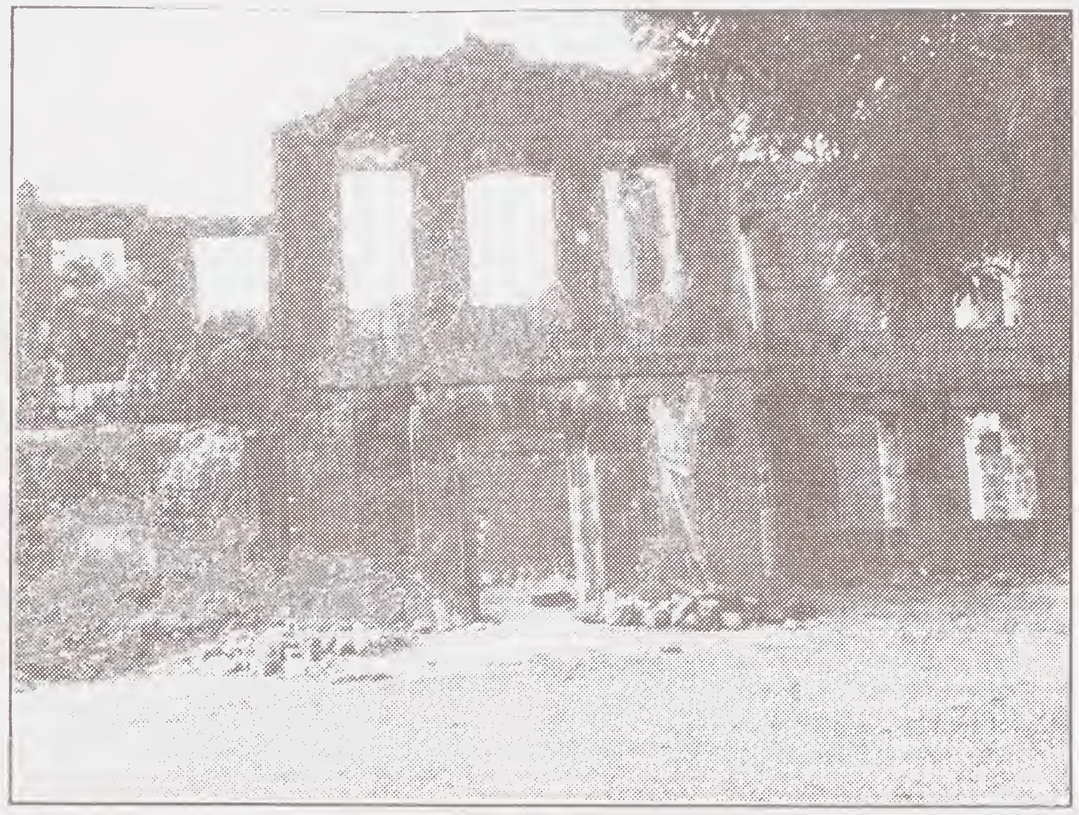
This is a small pool fed by a little waterfall which plunges off the edge of a fern-covered cliff. This is one of the easiest trails to follow and along the way you will see incredible examples of tropical flora. The trail to the Emerald Pool is accessed on the north of the park along the Castle Bruce Road. Part of the trail is the route of the old Castle Bruce Road laid in 1828 and before 1965 this was the only land link between Castle Bruce and Roseau. There are two lookout points along the way where you can see the forest from above and look down onto the rough sea of the east coast. The beginning of the Emerald Pool trail is clearly marked along the Castle Bruce road.

FRESHWATER LAKE

The Freshwater Lake was dammed and is now a reservoir. Accessed from the Laudat Village road entrance, it is the source of the Roseau River. Many myths have been created about the lake including one in 1666 by an historian who said that a single-eyed monster with gem carbuncles lived in it. From a lookout above the lake you can see the east coast of Rosalie and you can continue down into the valley until you come to the road leading to the east coast.

MIDDLEHAM FALLS

The Middleham is a tall, thin fall at the bottom of which is a round, clear pool. The trail, accessed from the Cochrane village road, takes you to the top of the waterfall and requires a steep climb down to the pool. There are more falls nearby called the Fond England Falls but these are less accessible. If you wish to go by a different route, the trail to Middleham Falls continues on to the Laudat road.



(Research information provided with the kind permission of Lennox Honychurch.



Cabrits National Park.

CABRITS' TELL-TALE STORIES

Sightseeing at the Cabrits National Park is one of the easier tours that Dominica has to offer. Depending on how thoroughly you want to examine all the 18th century ruins, you can see the place in less than a day and the gently sloping terrain with well laid out pathways makes it a relatively simple hike.

The National Park is 260 hectares of pure history. Cabrits, the patois word for goats, came about when early explorers left live animals behind to breed and provide food for future trips. The park is surrounded on three sides by the sea and it was from this ideal vantage point that the British started to build an immense garrison in 1770 to defend against the French.

Between 1770 and 1815 over fifty major structures were erected to protect the island and the naval vessels at anchor in nearby Prince Rupert's Bay. There was one fort, seven gun batteries, seven cisterns, powder magazines, ordnance storehouses, barracks and officers' quarters to accommodate over 600 men. Built by slaves and white artisans from local volcanic stone and clay bricks from England, the whole thing was cemented together with pounded coral limestone and bound with water and molasses.

Most of the buildings are spread out over and around the twin peaks of the Cabrits peninsula with a concentration of important structures located at Fort Shirley.

The garrison was most active during the American War of Independence, the French Revolution and the Napoleonic Wars. The Battle of the Saints between the French and British navies in 1782 happened within sight of the Cabrits. The 8th West India Regiment, a unit of negro soldiers, rebelled against the conditions at Cabrits and took control of the garrison for three days.

Cabrits was abandoned in 1854 and the forest crept in to take over the buildings. Extensive restoration work has revealed many of the important structures and Fort Shirley has benefitted from some painstaking work. There is also a small museum at the fort. Signposts point the way to other parts of Cabrits where you'll find the Douglas Bay Battery as well as the Outer and Inner Cabrits defence sites.

Entrance to the park is free and in addition to all the fascinating artifacts to be seen on land, Douglas Bay is a marine park and offers some great snorkeling. Cabrits is also a popular berth for visiting cruise ships and the extensive facilities include a souvenir shop. Refreshments can be purchased at Prince Rupert's Tavern.

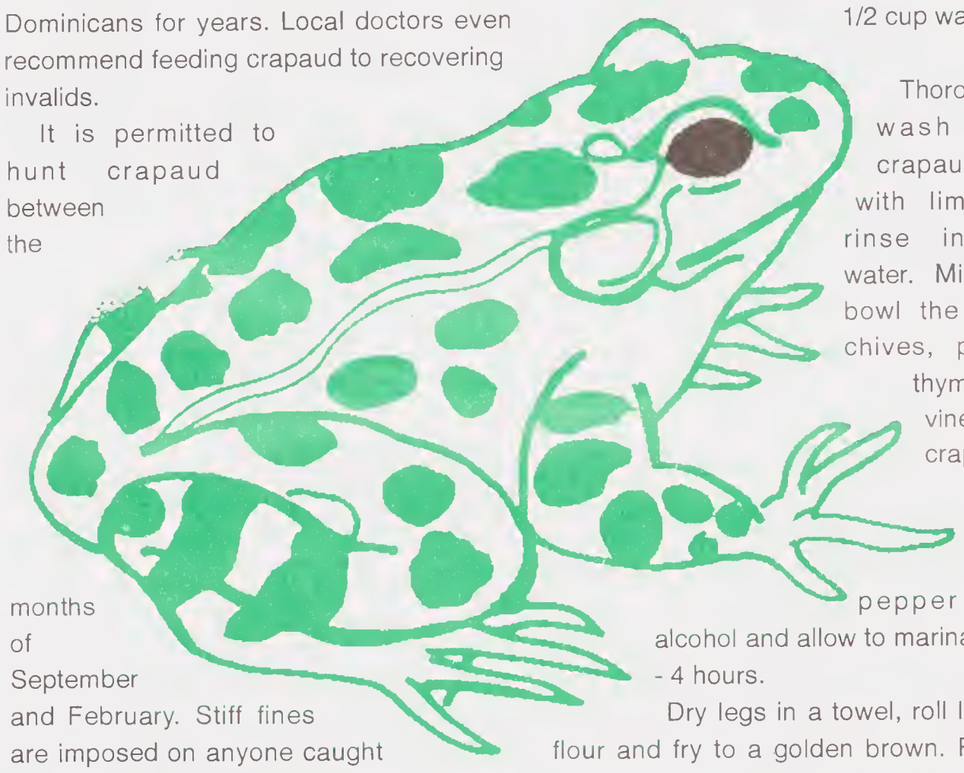
At Cabrits you can go it alone or hire a knowledgeable driver from KHATTS or Antours to take you around. Ken at KHATTS is a real expert and makes the trip an interesting and educational tour. Don't forget your swimsuit, snorkeling gear and camera.

FINGER LICKIN' DISHES

Every country in the world has its national dish, a trademark that gives a place its identity. It is usually a meat or vegetable that is found in abundance and which provides the basic nutrients needed for human survival.

Dominica's national dish is known locally as crapaud, the patois word for frog. However, local restaurants and hotels have given it the more glamorous title of Mountain Chicken. How Dominica's inhabitants discovered that this was an edible variety of frog and not some poisonous toad, is lost in the mists of time, but suffice to say this local delicacy has been an excellent source of protein for Dominicans for years. Local doctors even recommend feeding crapaud to recovering invalids.

It is permitted to hunt crapaud between the months of September and February. Stiff fines are imposed on anyone caught poaching the creatures out of season.



Mrs. Dorothy Perryman, the proprietress of Castle Comfort Lodge has been cooking some of the most delicious food in Dominica for the past 24 years. Her reputation as one of Dominica's finest chefs, she is entirely self-taught, remains unsurpassed. (Spend a few days at Castle Comfort and watch your girth grow). On special occasions she prepares crapaud for her customers and we were lucky enough to persuade her to part with her recipe.

"Some people prepare it in cutlet form like flying fish but we use only the legs except when making soup, then we'll use the backs," said Mrs. Perryman.

FROGS LEGS

12-16, frogs legs
1 clove crushed garlic
1 bunch chopped chives
small bunch parsley
small bunch thyme
2 tsp vinegar
oil for frying
1 cup flour
salt and pepper to taste
2 tsp rum
whisky or brandy

CREOLE SAUCE

1 onion sliced
1 small clove garlic
1 tbs tomato ketchup
1 tbs butter or margarine
1 sliced sweet pepper
1/2 cup water.

Thoroughly wash the crapaud legs with lime and rinse in cold water. Mix in a bowl the garlic, chives, parsley, thyme, vinegar, crapaud legs, salt and pepper and alcohol and allow to marinate for 3 - 4 hours.

Dry legs in a towel, roll lightly in flour and fry to a golden brown. Remove legs from pan and set aside. Using same pan, throw out oil leaving about one tablespoon. Place pan back over heat and add butter or margarine, tomato ketchup, onions and sweet pepper and saute slowly for a few minutes.

Add water gradually and allow to simmer for about five minutes. Make a thin paste with one dessertspoon of flour in some water and add to gravy. Cook until thickened. Add frog legs and simmer for 3 - 5 minutes. Serve immediately. Garnish with a twist of lime and sprig of parsley. Serve with rice and ripe plantain.

So now you can cook your crapaud yourself. On the other hand, you may prefer to let a local chef prepare Dominica's national dish for you. Don't be faint hearted, it tastes just like chicken and the legs even look like little drumsticks.

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Ophelia Marie

DOMINCA'S SWEETEST CHANTIWELLE

Ophelia Marie can't remember learning to sing and she reckons that her first utterance must have been a musical note.

Her father, a night club entertainer in Curacao, capitalized on his daughter's enthusiasm and during his time off, he'd bang away on the family's ancient piano while his children sang along.

"The piano died when I was three, but we never stopped singing," Ophelia remembers.

Ophelia Marie or more famously just Ophelia is the most internationally acclaimed singer that Dominica has ever produced. When her Dominican-born parents came home after living in Curacao for several years, she was nine years old. Ophelia sang for local graduations and with community groups. She went on to win the national patois song competition in 1970, '71 and '75. But she was a late bloomer and it was not until 1978 when her husband McCarthy, figuring his wife possessed a lot more talent than she thought she had, got her into the recording studio.

It was one of the compositions that won her the local patois song competition that catapulted her to fame.

"Aie Dominique is a lament on the socio-economic situation that was affecting Dominica at the time. I wished that Dominica did not have to go through this trouble as people were saying a lot of terrible things about the island. I wanted to console and protect the island because it was as if the country was crying," said Ophelia.

The song which became her signature tune was banned in Dominica but it made her an instant hit in neighboring Martinique and Guadaloupe. Ophelia started recording in 1978 and one year later she held her first live show in Guadaloupe. She went on to other performances in Martinique, French Guiana and Paris. She also toured the French provinces.

In 1981 Ophelia was the first black artiste to sing at the Theatre de la Renaissance in Paris and she collected the French award, the Maracas d'Or as the best performing Caribbean singer. Among the French she is known as La Grande Dame de la Chanson Antillaise.

She has released 10 albums (the first woman in the Caribbean to do so) including two compact discs and most of her tracks are original compositions, written by herself or her husband. Ophelia sings mainly Caribbean rhythms which she calls kadans-lipso, an amalgamation, she says of different West Indian styles.

"Anybody can dance to it as it has a very warm beat. I also play around with negro spiritual styles and bits of reggae too," said Ophelia.

Most of her live performances take place in Martinique and Guadaloupe but in Dominica she does sing for charitable organizations and will occasionally do a live show.

But even with her illustrious recording career, Ophelia is not a full time performer.

"Dominica cannot sustain a full time artistic career and you have to be able to do other things to earn a living," said Ophelia.

She has been a teacher and social worker and has worked in the local government's cultural division and as product development officer with the ministry of tourism. She is currently in charge of the ENCORE project in Dominica, a non-governmental organization which works to protect the environment.

If you hear about an Ophelia show while you are in Dominica, get tickets quick and if you are unable to catch a performance, there's always one of those 10 records just bursting with her original Caribbean rhythms.



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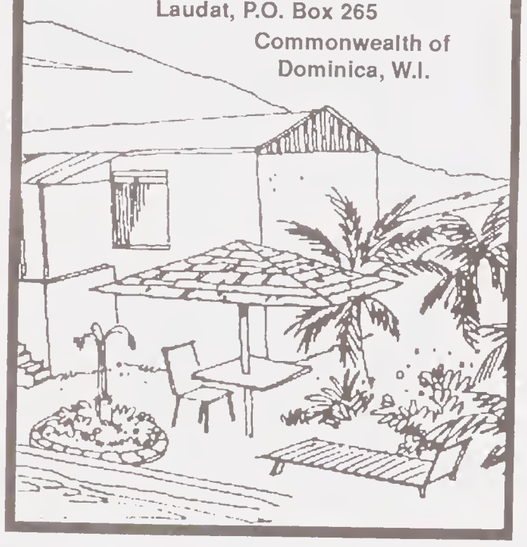
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SPORTING HOLIDAY



GYMS - Mac's Gym in Roseau is open from 10am to 9.30pm Monday to Friday and from 2pm to 8pm on Saturdays. A selection of free weights and machines for those who work with weights. Aerobic enthusiasts can enjoy daily classes from Monday to Friday 5pm to 6pm. On Tuesdays and Thursdays, there are two aerobic classes each day. Health bar serving fresh juices and health drinks. An instructor is always on hand to show novices around. For more information and daily rates call 44-88050.

HIKING - Probably the most popular activity in Dominica. The trails are endless and range from easy to exhausting. The less fit walker can enjoy the Emerald Pool trek while the seasoned hiker will be tempted by the 8 hour journey to and from the Boiling Lake. Remember to stick to the trails and to completely ensure your safety, hire a guide. KHATTS and Antours all have knowledgeable and experienced guides and a day out with either outfit is a highly rewarding experience.

TENNIS - Courts are located at the Dominica Club in Roseau, Castaways at Mero and at the Reigate Hall Hotel.

SQUASH - Squash can be played at the Anchorage Hotel at Castle Comfort and at the Dominica Club in Roseau.

SCUBA DIVING - Second to hiking, scuba diving is fast becoming the foremost reason why visitors come to Dominica. The island's reefs are still relatively untouched and there is a wealth of varied sites to choose from. Due to stiff legislation, it is advisable to sign up with one of Dominica's licensed dive outfits. Dive Dominica at Castle Comfort, the Dive Center at the Anchorage Hotel and Castaways at Mero all offer comprehensive diving packages for beginner and certified scuba enthusiasts.



WINDSURFING - Ask your hotel for information.

DEEP SEA FISHING - Organized by request only, ask you hotel for information.



WATERSKIING - Ask your hotel for information.

WHALE WATCHING - Sperm whales seem to love Dominica and according to Fitzroy Armour at the Anchorage Hotel, the only operation to date doing whale watching tours, there are whales in abundance in Dominica's waters. However, there are no guarantees that a whale will appear on demand but if you are part of a successful sighting, there is no experience on earth to match spotting your first giant cetacean.

SHOP AROUND

BERNARD'S ART AND GIFT SHOP. Local handicrafts, printed souvenirs, carvings, basketware and T shirts. Woodstone Shopping Mall.

TROPICRAFTS. Sells practically every example of Dominican souvenir. Carib basketware, rum, wood carvings, screw pine work, jams and jellies, locally made skin care products, toiletries and pottery. One of the most fascinating aspects of this vast craft market is watching the vetiver grass mats being made on the premises. Not only do the very talented craftswomen produce some exotic and practical floor mats in a multitude of designs, but the smell of the dried grass is out of this world. These vetiver mats have been given as presents to visiting dignitaries and they are so durable that it's years before they lose their natural luster and smell. Corner Queen Mary Street and Turkey Lane, Roseau.

CABRITS NATIONAL PARK. Located inside the cruise ship complex is a craft store selling all the more famous Dominican souvenirs.

CARIBANA HANDCRAFTS. The oldest handicraft store in Dominica. Owned and operated by Mrs. Joseph, Caribana makes delightful straw hats on the premises and sells examples of Carib basketware. Hanover Street, Roseau.

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WEDNESDAY CRAFT MARKET. On Wednesday mornings from 8am - 1 pm, 30-40 small stalls of locally produced handicrafts congregate at the cruise ship berth in Roseau.

These include baskets from the Carib Reserve, batik clothing and wall-hangings, handcrafted jewellery, local sauces, knitwear, regional music cassette tapes and dolls.

COTTON HOUSE BATIK. 7 Old Street, Roseau. Tel: Delicate tie-dye and handpainted clothing for men, women and children as well as wallhangings. Only the finest materials such as silk and pre-shrunk cotton are used.

OUT FOR THE NIGHT

GOOD TIMES. A warm up spot before moving onto the Warehouse. Very popular hangout on Friday nights with live entertainment and special bands every month. Checkhall

WAREHOUSE. Popular night spot with Dominicans. Open on Saturdays only for a good night out dancing to disco music. Checkhall.

PINA COLADA BAR. Open every day until 10pm. Live entertainment every Friday night, either a jazz ensemble or a steel band. Saturday mornings, local Jing Ping band. A small, cozy bar frequented by locals.

ETIENNE'S GARDEN CLUB. Open only on special occasions. The place really rocks during Independence and Carnival celebrations. Clarke Hall

CANONS. At the Fort Young Hotel. Open only for special events.

Live entertainment at any of Dominica's night spots is usually provided by local bands such as the Swinging Stars, WCK, Root, Stems and Branches (RSB), First Serenade and Radication Squad.

Other popular acts are Rambo, Ivor and Helen Rolle, Lori Loblack, Dominican Folk Singers, Daryl Phillip and National School of Dance and the Waitukubuli Dance Troupe.

Dominica's most famous singer is Ophelia Marie and if you are fortunate to be on the island when she gives one of her rare live performances, don't pass up the opportunity to catch this lady live.

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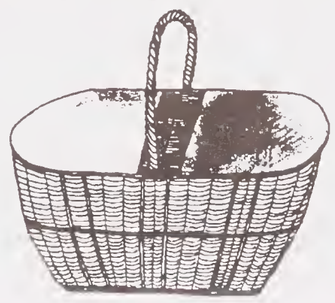
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HISTORY REPEATS ITSELF

Members of the Roseau Cultural Group, one of the many folk groups in Dominica, pose in 18th century dress outside the Soufriere Roman Catholic Church, one of the attractive architectural features in the southern part of the island.

The clothing was recreated from the historic prints of Italian, Augustino Brunias who lived in Dominica from 1770 until his death in 1796.

The Roseau Cultural Group performs at various events around the island and also researches and recreates traditional Dominican folklore.

Guiyave

RESTAURANT & PATISSERIE

The bright, breezy atmosphere of the Guiyave Patisserie is ideal for those seeking refuge from the tropic heat. Cool local juices, a selection from the soft serve ice cream bar flavored with fresh local fruit, or a thick, cool shake are great refreshers. Light meals including various sandwiches, patties of beef, chicken, vegetable or cod fish, and local seasonal delicacies such as crab, are extremely tasty but not over filling. Guiyave offers a large variety of local and French pastries, perfect for a morning pick-me-up and great accompaniments for a piping hot cup of tea or coffee.

Take a break and relax in the cool atmosphere of Guiyave's snack-bar, opened from 9:00 a.m. to 5:30 p.m., or just drop in for a quick take-away order. The light meals and snacks are high in taste satisfaction and low in price!

For those with a heartier appetite the upstairs West Indian styled restaurant, opened from 8:00 a.m. to 3:00 p.m. offers the best in local cuisine such as curried goat and fresh fish. Guiyave's restaurant boasts a truly local Saturday special of roti, goatwater, and souse.

The balcony dining area is tastefully decorated with an abundance of lush greenery, and graced with a soft, gentle breeze. The walls depict local artiste, adding to the restaurant's charm. A private, air-conditioned dining room is available with prior reservations.

Rather for sit-down dining or a casual snack, Guiyave is the perfect spot for cool, breezy relaxing!

15 CORK ST • TEL: 01-448-2930

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FOR FURTHER DETAILS CONTACT:

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P. O. Box 173
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FAX: 809-44-86308 TLX: 8626 DEXIA DO

WHAT VISITORS SAY







Canadian Family Says Don't Change A Thing!

This is the third trip to Dominica for Canadians Les Wilk, a nuclear physicist, his wife Anney, a maths professor with the University of Toronto and and their two sons, Kris and Keri. Dominica's scuba diving, unspoilt beauty and simplicity keep bringing them back to the island.

T.T: Why did you come to Dominica?
LES: We are into nature and photography and what brought us here initially was an article about the natural aspects of Dominica. We stayed at Papillote and did a lot of hiking, then we heard about Mrs. Perryman's crab backs and the diving at Dive Dominica.
T.T: What brought you back?
ANNEY: Our first experience was so enjoyable. It was so quiet and this was one of the most unspoilt and uncommercialized islands in the Caribbean. We were chased from the Caymans where we went for 10 years when it became too developed and the people lost their friendliness. It's probably selfish on our part, but we would hate to see Dominica become commercialized. This will be our destination until it is overrun.
T.T: How have you been spending your time?
LES: Since we got here, we have been diving. We spend one or two days sightseeing but this is definitely the best island for diving. We try and do at least two dives per day. I have been diving for 17 years, Anney for 15 and Kris started when he was twelve. He is now a certified diver.
T.T: What will you remember particularly about this trip?
ANNEY: I dropped my purse on the public transport one morning after shopping in Roseau. It had a lot of cash and travellers cheques. I was convinced that it was gone for good. A few hours later, it was returned to me and nothing was missing. Anywhere else I'd never have seen my purse again.

Dominica Has Incredible Healing Powers

Neil Saker visited Dominica with friends Phillipe Manicom and Irene Macias. A professional healer of tired, stressed out bodies and minds, Neil visited Dominica to rest after completing an exhaustive program in nearby Guadaloupe.
T.T: Why did you come to Dominica?
NEIL: A patient of mine in Paris used to suffer from asthma and the only place he could heal himself was in Dominica. He spoke to me in Paris and he recommended that I visit the island as a possible location for healing.
T.T: Was your patient right?
NEIL: I don't have enough words to describe this place. It is an unbelievable heaven, a Garden of Eden. The place has a lot of power and I believe that people can come here with all kinds of problems and miracles can happen to them here. I travel all the time and, from my experience, this is the number one nature healing place in the world. Nobody here should take it for granted.
T.T: Will you come back?
NEIL: We were supposed to come for one day, but I have extended my stay. I have several patients that I will bring here. You don't need drugs, cigarettes and alcohol because nature gives you everything right here.

Dominica Is Excellent value For Money

Gene Foss, a shoe manufacturer from Huntington Beach, California, read about Dominica in a diving magazine. Although the island is several hours flying time from his home, Gene was so curious about the place that he had to come and see for himself.
GENE: I came here because I read that it is unspoilt, undeveloped and one of the most inexpensive islands in the Caribbean. And of course, I had heard about the excellent diving.
T.T: What have you found?
GENE: This is not some red hot tourist spot and what attracts me are the things that are not here—no duty free shops, no high rise hotels and no French fries. As long as it stays that way, I will keep coming here.
T.T: What have you been doing with your time?
GENE: I am a diver and a hiker. I have been diving for 25 years and the diving here has the potential for being really good.
T.T: Where are you staying?
GENE: I am staying at Kent Anthony's Guest House. They serve good wholesome food and have clean and inexpensive accommodation.
T.T: Will you come back?
GENE: I will certainly come back for the diving.

DISTRIBUTION INFORMATION

Published monthly, Tropical Traveller is the visitor's tour guide around our beautiful Dominica. What to see, where to go, what to buy, that's what TT is all about. TT is available throughout the island, particularly at our hotels and guest houses. TT is the official publication of the Dominica Hotel and Tourism Association. TT welcomes your letters and other contributions. All correspondence, including advertising, subscriptions and distribution queries, should be addressed to The STAR Publishing Co. (1987) Ltd. P.O. Box 1146, Castries, St. Lucia, West Indies. Tel: (809) 452-3558, Fax: (809) 453-1616. Subscriptions are available at ECS85.00 per annum. Payment is required in advance. Checks and money orders only, payable to STAR Publishing Co. Ltd.

SCHEDULE OF ACTIVITIES
FOR
DR. MARGARET COLLINS.

<<<<<<<0>>>>>>>

Date	Time	Activity	Place
July, 4th,`93	5.00 p.m.	Arrive	Canefield
Mon. 5th	10. a.m.	Courtesy Call on His Excellency Sir Clarence Siegnoret.	President's Office, Morne Bruce.
	12.00 noon	Orientation	D.C.A. Office
Tues. 6th		Settling in	
Wed. 7th	10.30 a.m.	Talk on Entomology at Sisters in Solidarity Workshop	Mount Joy, Springfield
	1.00 p.m.	Revision of Programme of Activities	D.C.A. Office
Thurs.8th	6 a.m.- 4 p.m.	Termite collecting	Cabrits/ Capuchin
	6 p.m.- 8 p.m.	Talk by Dr. Y. Reid.	Red Cross Centre, Goodwill
Fri. 9th	6 a.m.- 12.30p.m.	Termite Collection & to Meet with herbalist.	Grandbay
Sat. 10th		Termites	Trafalger
Sun. 11th	6 a.m. -	Termites	Laplaine
Mon. 12th	?	Courtesy call and observation of collection	Mr. Philip Alexander, Resident Tutor, Archbold Research Centre, Springfield.

Tues 13th July	6.00 p.m.	Talk: Role of Termites in Tropical Habitats.	Red Cross Building, Goodwill.
Wed. 14th	6.00 a.m	Termite collecting	Pond Case
Thur.15th	6.00 p.m.	Talk: Medicinal & Food Uses of Common Wild Plants	Red Cross Building, Goodwill.
Fri. 16th	6 a.m.- 2 p.m.	Termite collecting	Marigot
Sat. 17th		Wind down	Papillote
Sun. 18th	7 a.m. (**Leave Papillote about 5.15 a.m.** so as to allow one (1) hour booking-in time before departure)	Departure on LIAT FL. # 500 Caneield/ St.Martin.	Canefield

Mona George-Dill
Programme Coordinator,
Dominica Conservation Association.
July, 1993.

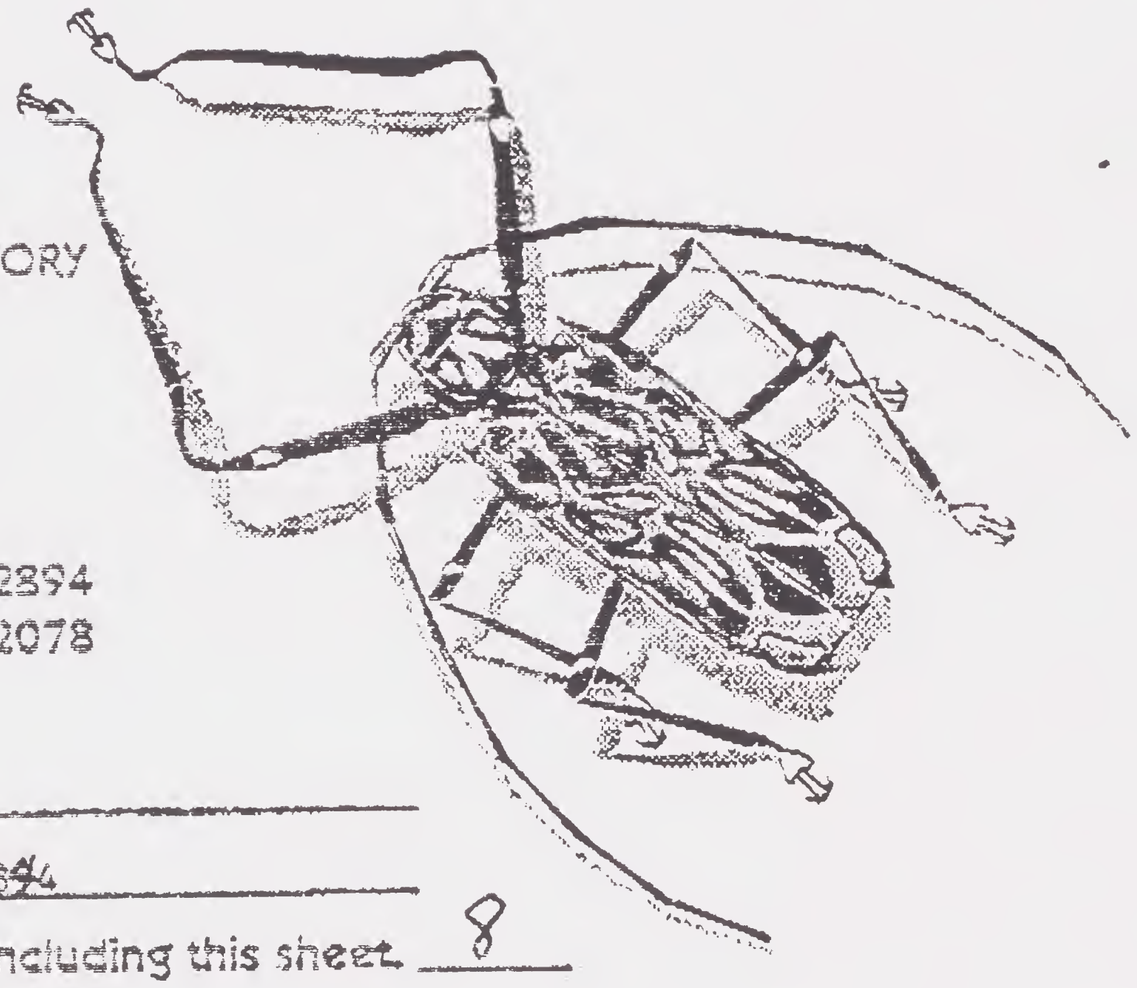
YET BEEN REPORTED; INSTEAD, COLLECTIONS CONSIST OF FORAGING GROUPS OR PORTIONS OF A COLONY EXPLOITING A FOOD SOURCE, OR FLYING REPRODUCTIVES. ONLY RECENTLY HAVE SUPPLEMENTARY REPRODUCTIVES BEEN COLLECTED (DARLINGTON, PERS. COMM.). MUCH REMAINS TO BE

Wolcott collected ergatoid reproductives of Heterotermes cardini in sugar cane in the Dominican Republic in 1951; no other collections are known (located in USNM collection, J. Darlington 1993)

FAX

DEPARTMENT OF ENTOMOLOGY
NATIONAL MUSEUM OF NATURAL HISTORY
SMITHSONIAN INSTITUTION
MAIL STOP 105
10TH & CONSTITUTION AVE., NW
WASHINGTON, D.C. 20560

Entomology FAX Number: 202-786-2894
To Confirm Receipt of FAX: 202-357-2078



DATE: _____

FROM: Margaret S. Collins

TO: Dr. Yvonne Reid 301 : ~~786 2894~~

Total Number of pages being faxed, including this sheet 8

Re : Dominica Project
Suggest stressing biodiversity studies ; emphasize insects, plants (Almost complete), medicinal plants and associated knowledge

Justification for emphasis on insects : They are the most numerous, diverse and ecologically-important of the animal groups. The sheer numbers of species have occupied taxonomists for many years, yet new species are being recognized in every insect group studied, in every known insect habitat.
Knowledge of the insect fauna of Dominica is important in building our base for understanding the persisting biodiversity in Dominica and other theoretical concerns. This knowledge can have practical consequences also :

1) Pests of economically-important agricultural varieties of both plants and animals are themselves vulnerable to attack by organisms including insects. Such organisms are being increasingly employed in biological control, reducing the need for chemical pesticides that have caused so much environmental damage.

Means of achieving desired ends :
Provide assistance for collection, study trips to Dominica by specialists in important insect groups with the provision that :

- The specialist provide copies of pertinent publications for his group of interest, to be housed in a library on the island
- The specialist provide a reference collection for his insect group represented in Dominica, and provide information on the location of type specimens for the species being collected
- The specialist agree to meet at least once with community members and present an overview of his activities, the role of his organisms in the theoretical and practical concerns of the island (as far as lossible !)- and questions to be addressed further study of the group in Dominica.

Such "Ecoseminars" could serve as a spin-off point for these topics in schools : Insect biology, identification, life history studies; and communication skills

50-1162-5

Dr. Snyder:

The mite from Nasutitermes costalis in Mount Joy, Dominica, B.W.I., which you left with Dr. Baker, has been placed only as a species of Mesostigmata. Baker remarks that he has no idea as to the identity of this species and he adds that it is extremely interesting.

C. F. W. Muesebeck
9-21-50

50 11625

Mount Joy, Dominica,
B.W.I. July 20, 50

Mass-dying termite Nasutitermes costalis (Holmgren) infesting timbers house of Stephen Hawers. Associated maggots and flies that visited the dead termites, no eggs or young deposited. Also mites or termitophiles.

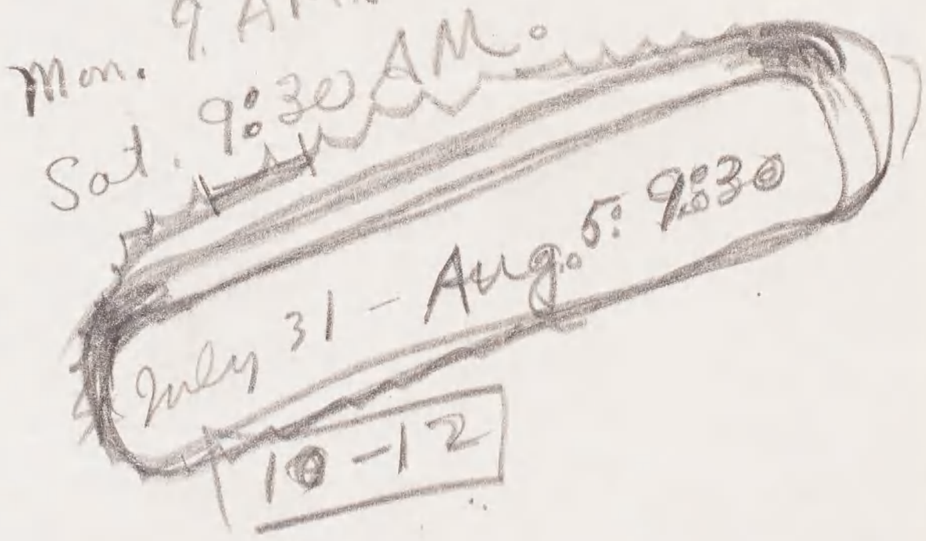
T.E. Snyder

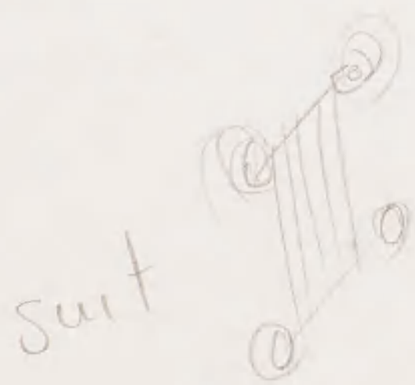
Flies referred to Sabrosky
Maggots " " Wirth

One mite and termites still in bottle.

A.S.

Snyder





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DOMINICA

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REFERENCE

Motor Roads
Tracks
Parish Boundaries
Heights in Feet

Termite fauna of the Bahamas, Leeward Islands, and Windward Islands

Islands	Snyder	Later	Total
Bahamas			
Andros	4		4
Bimini	3		3
Keys	1		1
Nassau	5		5
Turks & Caicos		12[a]	12
Leeward Islands			
Antigua	1	5[b]	5
Dominica	3		3
Guadeloupe	4	12[b]	12
Montserrat	3	9[b]	9
Windward Islands			
Barbados	7	11[b]	11
Grenada	2	Pending	2
Martinique	3	4[b]	4
St. Lucia	2	4[b]	4
St. Vincent		7[b]	7

[a] Survey by Scheffrahn and Su

[b] Survey by Darlington

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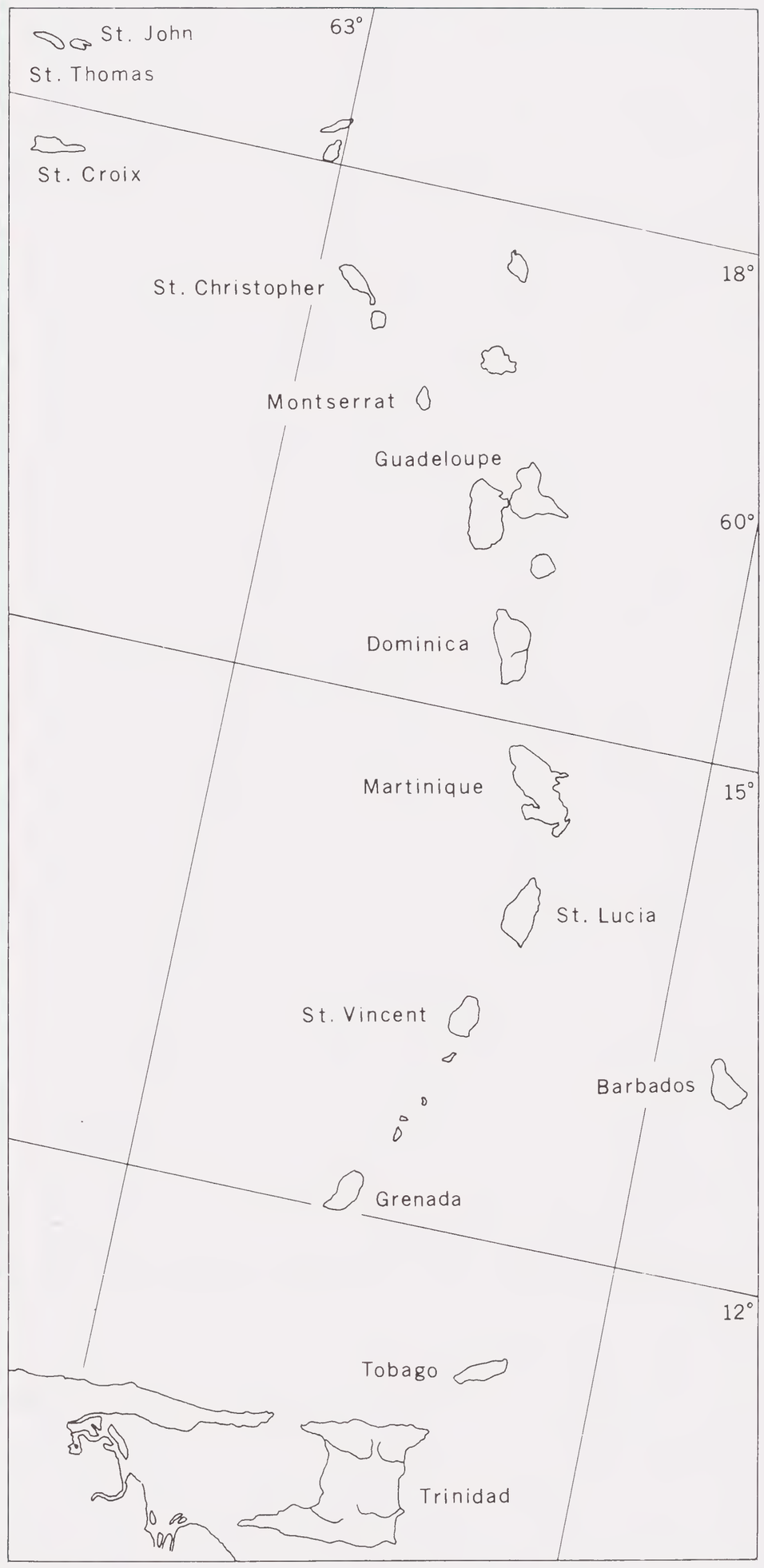
Dominica Program

NATIONAL MUSEUM of
NATURAL HISTORY
SMITHSONIAN INSTITUTION

The island of Dominica, known as the "Nature Island" of the Caribbean, is home to the endangered imperial and red-necked parrots, pristine rain forests and fertile volcanic soils. NMNH interest in Dominica began in the 1960s with the launching of a large baseline survey of the flora and fauna of Dominica. Funded by Bruce Breden and John Archbold, the initiative resulted in many scientific publications on the flora and fauna of this island country. Today, NMNH scientists study the tropical ecosystems and biodiversity from the facilities of Springfield Plantation of the Archbold Tropical Research Center near Roseau.

The Archbold Tropical Research Center is a 92 ha field station established in the fall of 1989 when philanthropist John D. Archbold gave his plantation to Clemson University. Clemson heads a consortium of institutions, including the National Museum of Natural History, that directs the Archbold Center as an important facility for research, professional development and nature tourism.





For further information contact:
C.W. Hart
Department of Invertebrate Zoology
National Museum of Natural History
Smithsonian Institution
Washington, D.C. 20560 U.S.A.

Phone: (202) 357-4679
FAX: (202) 357-3043
TELEX: 264729
BITNET: MNHIV008@SIVM

DOMINICA
CONSERVATION
ASSOCIATION

* EDUCATE

* ADVOCATE

* PARTICIPATE



P. 02





THE COMMONWEALTH OF DOMINICA

The island of Dominica is situated between latitudes 15.12 and 15.39 N and longitudes 61.14 and 61.29 W in the Lesser Antilles. The island is 29 miles long and 16 miles wide with a population over 70,000 made up of descendants of Africans, Caribs and Europeans.

This island was first called *Waitikubuli* by the indigenous Carib (*Karafuna*) population. When Columbus saw it on Sunday morning, 3rd November 1492, he called it "Dominica." Then upon attainment of independence from Great Britain on 3rd November 1978, it was renamed "The Commonwealth of Dominica," mainly for differentiation from the Dominican Republic in the Greater Antilles.

Within Dominica's boundaries is an area comprising 3,700 acres allocated in 1903 to the Carib population. This land is held in trust by the Carib Council of the Carib people.

Dominica's National Motto, stated in French Creole is: *Apre Bondie c'est la Terre*, which means "After God, the Earth." All three stanzas of the National Anthem tell of the beauty of Dominica.

One of Christopher Columbus' many wonderful diary that Dominica's beauty must be seen to be believed."

Indeed, Dominica's rugged mountains, lush verdant forests, sparkling rivers and clean unpolluted air are the most precious of our national heritage, and is equally necessary part of the global treasure which the Dominica Conservation Association is striving to preserve.

BACKGROUND INFORMATION

The Dominica Conservation Association (D.C.A.) was formed as a nonprofit, non-government organisation in 1981. Since then, D.C.A. has been involved in joint projects with pertinent departments and agencies. Notable efforts include the Save the Turtles and Fort Shirley Restoration projects.

Spurred by committed Dominican environmentalists and funded from 1990-1992 by the John and Catherine T. MacArthur Foundation under its Caribbean Heritage Project, which was administered by the Caribbean Conservation Association, the D.C.A. serves as a crucial link between the community and policy makers.

As the main non-government environmental organisation in this country, the D.C.A. is expected to lead advocacy on environmental issues, to complement governmental efforts and to influence policy decisions on sustainable development.

MISSION STATEMENT

The Dominica Conservation Association aims to educate its members and the public and organise and promote their participation in the judicious management and development of Dominica's natural, cultural, historical and economic resources through appropriate conservation measures which will enhance the quality of life of the people and preserve the national heritage for present and future generations.

INSTITUTIONAL FRAMEWORK

The overall control and management of the D.C.A. is vested in the Board of Trustees, which is comprised of nine elected members including a President, Vice President, Secretary, Treasurer and five other members. Day-to-day management is discharged by the Programme Coordinator with support of such other staff as the Board sees fit to engage.

Sir Clarence Seignoret, President of the Commonwealth of Dominica, is Patron of the Dominica Conservation Association.

NETWORKING

The D.C.A. is a member of the Caribbean Conservation Association which fosters the development of its affiliates from its head office in Barbados.

International friends of the D.C.A. include Island Resources Foundation which works closely with this Association from its regional office in Antigua, the Pan American Development Foundation, and the United States Peace Corps which has been interest in the D.C.A.'s development and has from time to time provided ad hoc technical assistance.

Locally, close ties have been established with the forestry Division of the Ministry of Agriculture, which bears responsibility for the environment in Dominica.

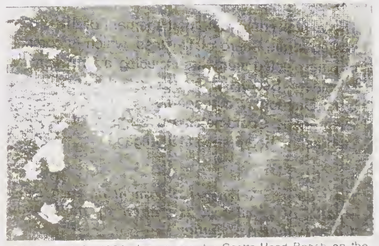
ADVOCACY

This Association responds to opportunities at local, regional and international levels to represent and promote awareness of environmental issues, particularly where such issues impact indigenous resources.

EXAMPLES OF PROJECTS UNDERTAKEN

Summer Environmental Appreciation Project (SEAP)

This project exposes youth to the natural environment and sensitizes them to related issues. It has been undertaken annually since 1989 with funds from the Caribbean Conservation Association and local contributors. But as the project is expanded, contributions must be sought internationally.



SEAP youth in 1991 clearing up the Scotts Head Beach on the Caribbean side of Dominica.

Chemical Ecology of Forest Insects
USDA Forest Service
Pacific Southwest Research Station
P.O. Box 245
Berkeley, CA 94710
March 5, 1994

Dr. Margaret S. Collins
1642 Primrose Rd NW
Washington, D.C. 20012

Dear Margaret:

Enclosed please find the information that you forwarded to me last fall to deliver to Anne at Papillote on Dominica. As you can see, I never made it. My apologies for the delay in returning this to you.

Thanks once more for all of the information that you gave me on the island. I look forward to putting it to use to collect termites there someday.

Sincerely yours,

Steve Seybold

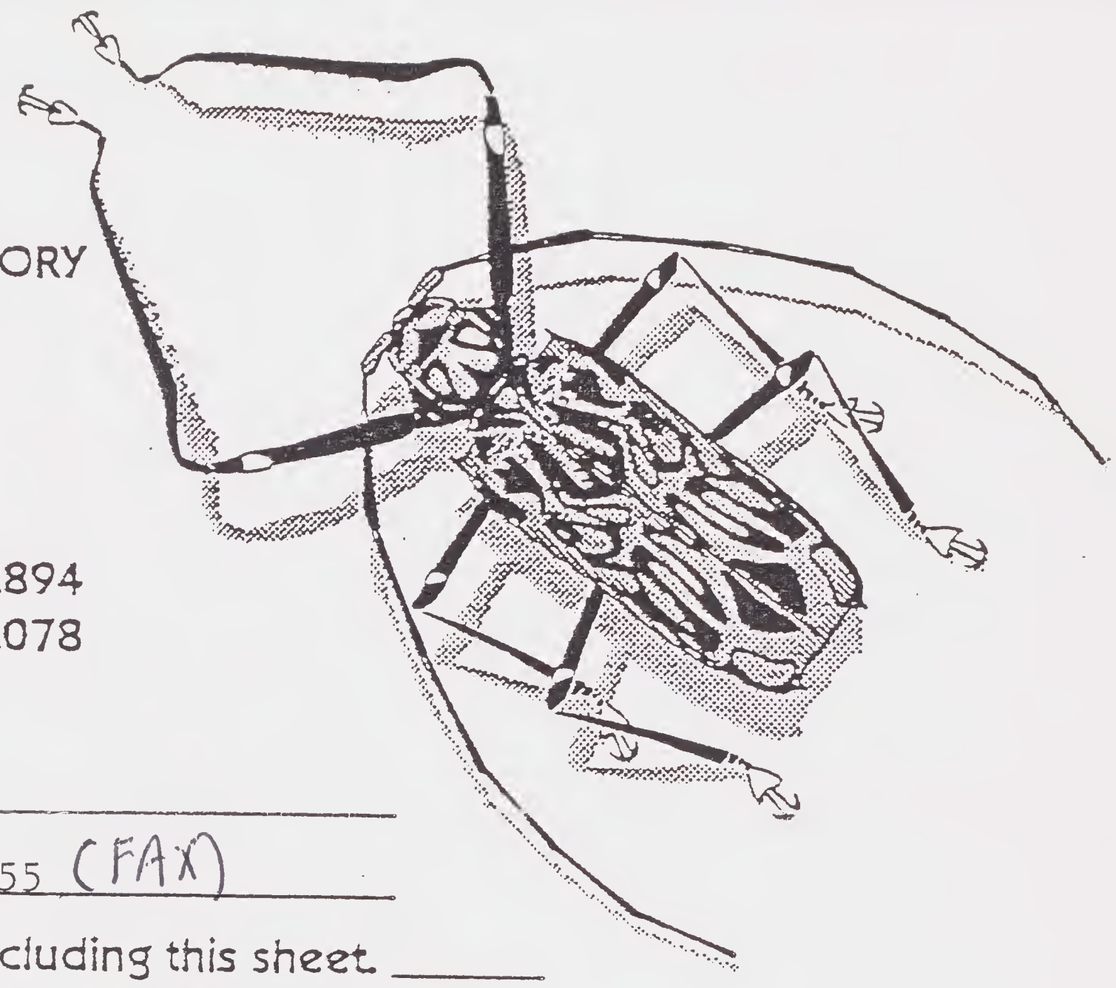
Steven J. Seybold

cc: M.I. Haverty

FAX

DEPARTMENT OF ENTOMOLOGY
NATIONAL MUSEUM OF NATURAL HISTORY
SMITHSONIAN INSTITUTION
MAIL STOP 105
10TH & CONSTITUTION AVE., NW
WASHINGTON, D.C. 20560

Entomology FAX Number: 202-786-2894
To Confirm Receipt of FAX: 202-357-2078



DATE: August 6, 1993

FROM: Margaret S. Collins

TO: Mr. Atherton Martin 809-4483855 (FAX)

Total Number of pages being faxed, including this sheet. _____

~~Estimated Time Fax Sent:~~ P.O. Box 109, Roseau
Commonwealth of Dominica, East Caribbean
Tel.; 809 44-84098

INSTRUCTIONS OR COMMENTS (If any):

Dear Mr. Martin :

Please accept this preliminary report on the termite fauna of Dominica. It has a very diverse fauna for an island of its size, a tribute to the surviving forests and high rainfall.

We are becoming increasingly aware of the vital role termites play in the maintenance of biodiversity in ecosystems, especially tropical forests, grasslands, and even some deserts or semi-deserts. Termites aerate the soil, help water percolate into deeper levels, alter soil structure, fix nitrogen and thus add to soil fertility. Microoragnisms in dry-wood termites can fix atmospheric nitrogen and the termites use it in growth and energy-release processes through an alternate pathway that does not increase the methane burden in the atmosphere ! Recycling the resistant cellulose that forms the walls of plant cells, however, is the prime and indispensible activity of termites, and makes growth of other vegetation possible.

The termites so far found on Dominica : ("S" = reported in 1956 by Snyder)

(5)

Neotermes castaneus- a large Kalotermitid that lives in moist dead or living wood, sometimes damaging citrus, avocado, nut trees and ornamental shrubs such as oleander ; common in woods above Springfield; in many of the Caribbean Islands and in extreme south Florida

Cryptotermes brevis (S)-a termite found only in houses or other buildings, found around the worlds tropics, never in the field; especially destructive to plywood

Heterotermes tenuis (S)- a small subterranean termite that may come into

buildings, causing much damage throughout the Neotropics; a genus that is very variable and in need of careful study for accurate species diagnoses

Nasutitermes costalis(S)- the termite that builds large, dark-brown carton nests on trees, with conspicuous dark covered runways leading to foraging sites; may frequently enter buildings when food supplies outside are reduced, causing damage

In addition to these "pest" species reported by Snyder, Dominica has an amazingly rich array of dry-wood termites, vital to ecosystem functioning and vulnerable to extinction if habitat destruction occurs; reported from Dominica for the first time, as follows :

Incisitermes nr. incisus - a very large kalotermitid living in sound dead wood in forests near the Cabrits and around Souffriere

Incisitermes snyderi - an ecologically-versatile, very successful dry-wood termite found on most of the Caribbean islands

Incisitermes sp.(?)- another large dry-wood termite, possibly a new species

Rugitermes sp.- a genus of termites found previously only in northern South American, Central America and some of the Pacific islands

Glyptotermes prob. pubescens - a dry-wood termite whose soldiers have stopper-shaped heads that close off chambers in the wood against ant attack

Nasutitermes ephratae - a carton-nest building termite ("duck ant") that lives in the area devoted to Bay Oil production, beside the road from Portsmouth; the nest has a smoother surface that the nest of N. costalis .

Since I was unable to collect in the cactus-growing areas, in the well-developed forest areas near La Plaine, and in some of the areas used for agriculture production, I am sure that I missed many species. At any rate, this is a rich and diverse termite fauna. It shows exciting relationships with the fauna of Guyana and other northern South American countries. A proper appraisal of the biodiversity exhibited by the termites of Dominica will require systematic sampling, preferably with the aid of a competent botanist. It is an important fauna, well worth preserving.

Thank you for the many courtesies I enjoyed through you; I hope to write individual friends as work pressures let up.

Please call Charles Pierre and give him my greetings, that was an excellent field trip! Also, please tell Phillip Atkinson out at Springfield that Don Davis says that the damage on the sample bay leaves is the work of some insect other than a Lepidopteran leaf-miner, maybe a beetle. Keep a watch, and collect further stages in alcohol.

A detailed account will follow after comparisons with sufficient museum material.

Good wishes for success in your ventures,

Sincerely,

Margaret S. Collins

His number: 82131

Title: Entomologist

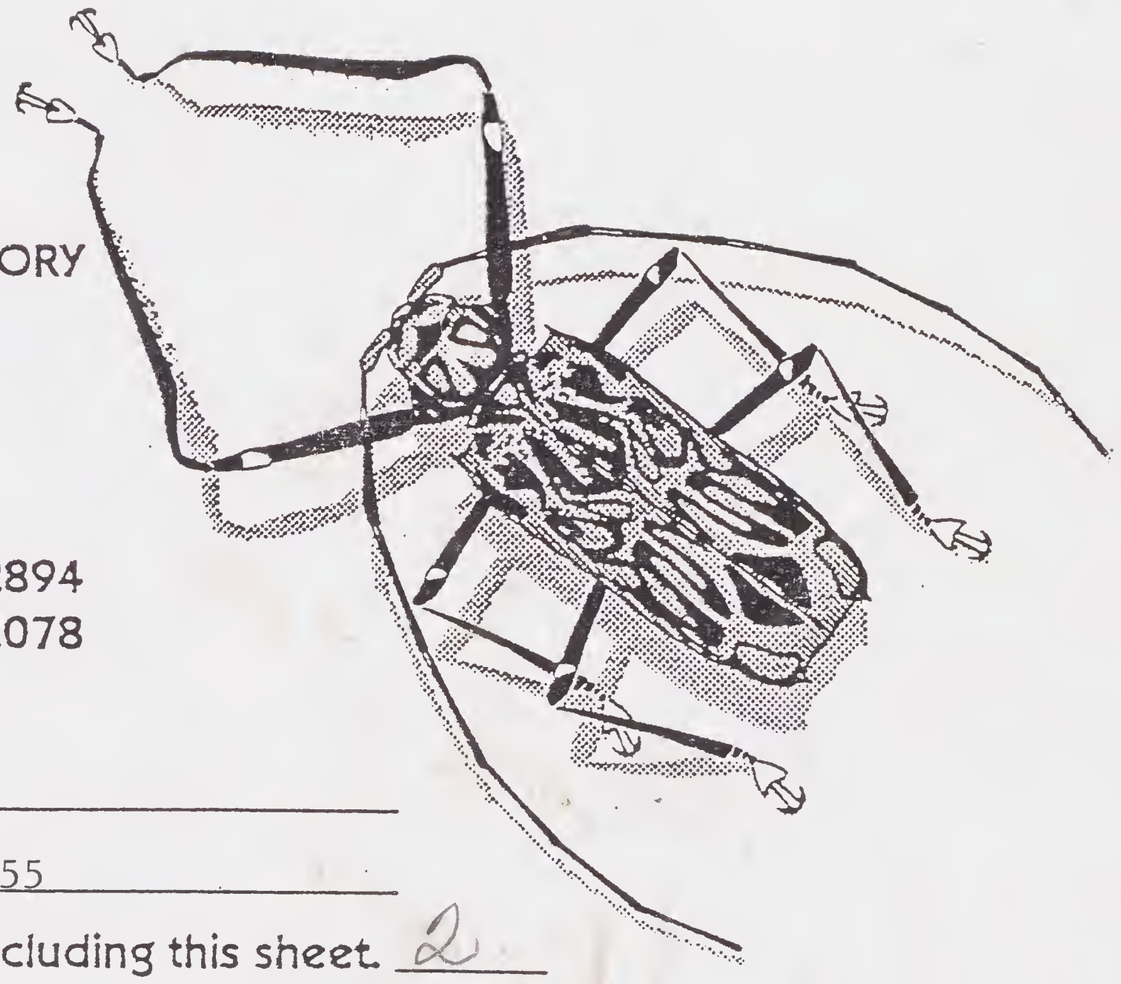
Office: Division of Apiculture
Botanic Gardens
Roseau

Try to touch bases with Arlington James before going into the Cabrits

FAX

DEPARTMENT OF ENTOMOLOGY
NATIONAL MUSEUM OF NATURAL HISTORY
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FROM: Margaret S. Collins

TO: Mr. Atherton Martin 809-4483855

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INSTRUCTIONS OR COMMENTS (If any):

Dear Mr. Martin :

Please accept this preliminary report on the termite fauna of Dominica. It has a very diverse fauna for an island of its size, a tribute to the surviving forests and high rainfall.

We are becoming increasingly aware of the vital role termites play in the maintenance of biodiversity in ecosystems, especially tropical forests, grasslands, and even some deserts or semi-deserts. Termites aerate the soil, help water percolate into deeper levels, alter soil structure, fix nitrogen and thus add to soil fertility. Microoragnisms in dry-wood termites can fix atmospheric nitrogen and the termites use it in growth and energy-release processes through an alternate pathway that does not increase the methane burden in the atmosphere ! Recycling the resistant cellulose that forms the walls of plant cells, however, is the prime and indispensible activity of termites, and makes growth of other vegetation possible.

The termites so far found on Dominica : ("S" = reported in 1956 by Snyder)

Neotermes castaneus (S)- a large Kalotermitid that lives in moist dead or living wood, sometimes damaging citrus, avocado, nut trees and ornamental shrubs such as oleander ; common in woods above Springfield; in many of the Caribbean Islands and in extreme south Florida

Cryptotermes brevis (S)-a termite found only in houses or other buildings, found around the worlds tropics, never in the field; especially destructive to plywood

Heterotermes tenuis (S)- a small subterranean termite that may come into

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buildings, causing much damage throughout the Neotropics; a genus that is very variable and in need of careful study for accurate species diagnoses

Nasutitermes costalis(S)- the termite that builds large, dark-brown carton nests on trees, with conspicuous dark covered runways leading to foraging sites; may frequently enter buildings when food supplies outside are reduced, causing damage

In addition to these "pest" species reported by Snyder, Dominica has an amazingly rich array of dry-wood termites, vital to ecosystem functioning and vulnerable to extinction if habitat destruction occurs; reported from Dominica for the first time, as follows :

Incisitermes nr. incisus - a very large kalotermitid living in sound dead wood in forests near the Cabrits and around Souffriere

Incisitermes snyderi - an ecologically-versatile, very successful dry-wood termite found on most of the Caribbean islands

Incisitermes sp.(?)- another large dry-wood termite, possibly a new species

Rugitermes sp.? - a genus of termites found previously only in northern South American, Central America and some of the Pacific islands

Glyptotermes prob. pubescens - a dry-wood termite whose soldiers have stopper-shaped heads that close off chambers in the wood against ant attack

Nasutitermes ephratae - a carton-nest building termite ("duck ant") that lives in the area devoted to Bay Oil production, beside the road from Portsmouth; the nest has a smoother surface that the nest of N. costalis .

Since I was unable to collect in the cactus-growing areas, in the well-developed forest areas near La Plaine, and in some of the areas used for agriculture production, I am sure that I missed many species. At any rate, this is a rich and diverse termite fauna. It shows exciting relationships with the fauna of Guyana and other northern South American countries. A proper appraisal of the biodiversity exhibited by the termites of Dominica will require systematic sampling, preferably with the aid of a competent botanist. It is an important fauna, well worth preserving.

Thank you for the many courtesies I enjoyed through you; I hope to write individual friends as work pressures let up.

Please call Charles Pierre and give him my greetings, that was an excellent field trip! Also, please tell Phillip Atkinson out at Springfield that Don Davis says that the damage on the sample bay leaves is the work of some insect other than a Lepidopteran leaf-miner, maybe a beetle. Keep a watch, and collect further stages in alcohol.

A detailed account will follow after comparisons with sufficient museum material.

Good wishes for success in your ventures,

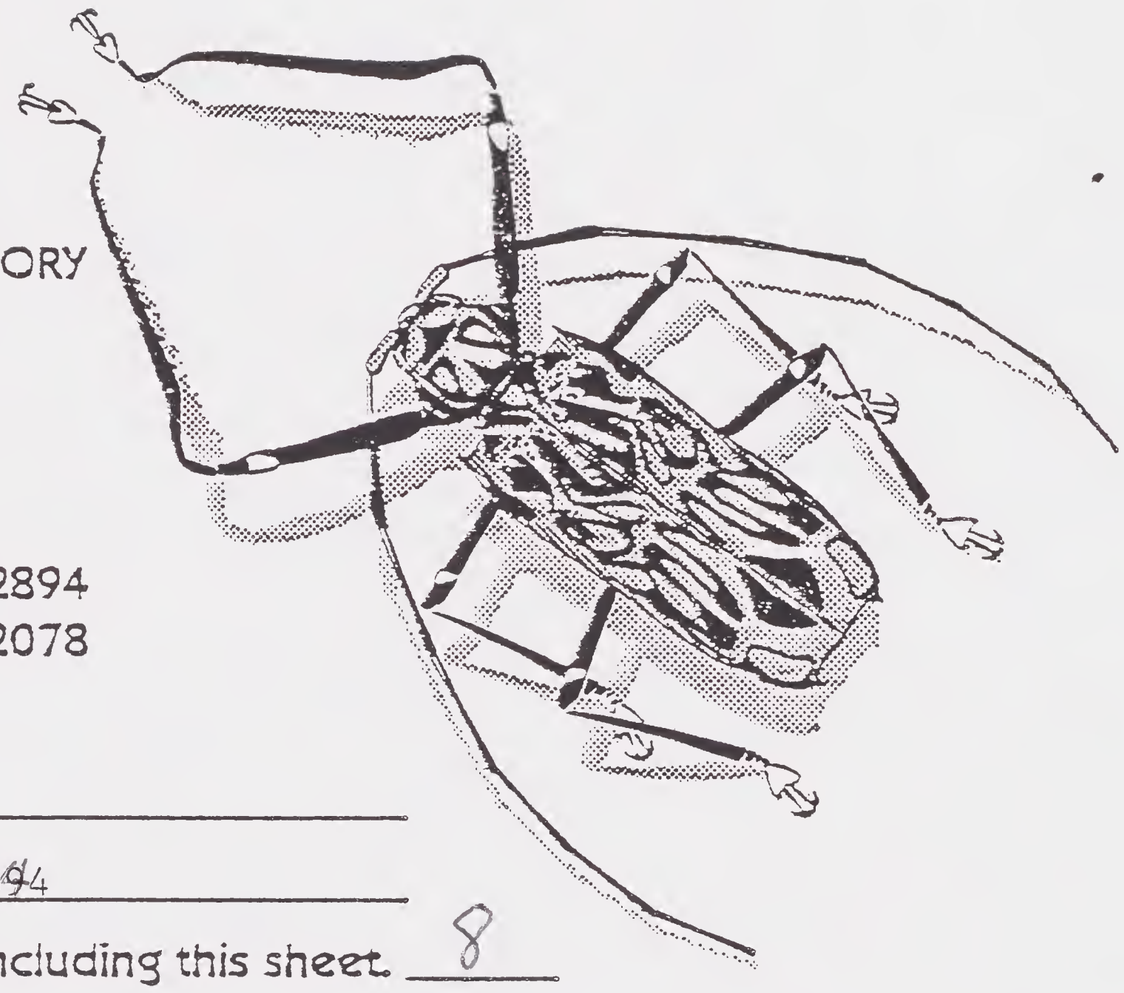
Sincerely,

Margaret S. Collins

FAX

DEPARTMENT OF ENTOMOLOGY
NATIONAL MUSEUM OF NATURAL HISTORY
SMITHSONIAN INSTITUTION
MAIL STOP 105
10TH & CONSTITUTION AVE., NW
WASHINGTON, D.C. 20560

Entomology FAX Number: 202-786-2894
To Confirm Receipt of FAX: 202-357-2078



DATE: _____

FROM: Margaret S. Collins

TO: Dr. Yvonne Reid 301 : 786 2894

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Re : Dominica Project
Suggest stressing biodiversity studies ; emphasize insects, plants (Almost complete), medicinal plants and associated knowledge

Justification for emphasis on insects : They are the most numerous, diverse and ecologically-important of the animal groups. The sheer numbers of species have occupied taxonomists for many years, yet new species are being recognized in every insect group studied, in every known insect habitat.
Knowledge of the insect fauna of Dominica is important in building our base for understanding the persisting biodiversity in Dominica and other theoretical concerns. This knowledge can have practical consequences also :

1) Pests of economically-important agricultural varieties of both plants and animals are themselves vulnerable to attack by organisms including insects. Such organisms are being increasingly employed in biological control, reducing the need for chemical pesticides that have caused so much environmental damage.

Means of achieving desired ends :
Provide assistance for collection, study trips to Dominica by specialists in important insect groups with the provision that :

- The specialist provide copies of pertinent publications for his group of interest, to be housed in a library on the island
- The specialist provide a reference collection for his insect group represented in Dominica, and provide information on the location of type specimens for the species being collected
- The specialist agree to meet at least once with community members and present an overview of his activities, the role of his organisms in the theoretical and practical concerns of the island (as far as lossible !)- and questions to be addressed iurther study of the group in Dominica.

Such "Ecoseminars" could serve as a spin-off point for these topics in schools : Insect biology, identification, life history studies; and communication skills